

PUBLIC HEALTH STATISTICS
STATE OF
OKLAHOMA
1949



PART II
BIRTHS AND DEATHS

Oklahoma State Department of Health
Oklahoma City, Oklahoma

G. F. MATHEWS, M. D., Commissioner

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Oklahoma, regardless of where in the United States the events take place. Alaska, Canada, and Hawaii also participate in the program for the exchange of certificates. Correction of residence within the State is made on a county and city basis.

The usual residence as specified on the certificate is generally used for residence reallocation. If however, information entered on the certificate in the place of birth or death indicates that the mother, in case of a birth, or decedent had lived in the place of birth or place of death for one year or more that is considered to be the place of residence also for statistical tabulations.

Most of the statistics in the bulletin are based on data which have been corrected for residence. Table C, however, which shows the births, stillbirths, deaths, infant and neonatal deaths for each county according to the place of occurrence of the event, has been included since this information is of value for some purposes. Other death tabulations for each county and city according to place of occurrence are on file.

As in 1948, the number of resident births and deaths occurring outside of Oklahoma exceeded the number of non-residents who were born or died in the State. This relationship is shown in Table 1.

Table 1

Residence Allocation, Oklahoma, 1949

	Non-Resident Certificates Excluded	Resident Transcripts Included
Births	1,278	1,654
Deaths	483	979

Table 2

Births and Deaths of Oklahoma Residents Occurring Outside Oklahoma, by State in Which the Events Occurred

State	Births Number	Deaths Number
Total	1,654	979
Arizona	10	31
Arkansas	443	173
California	3	30
Colorado	15	32
Illinois	4	15
Kansas	355	192
Kentucky	16	3
Mississippi	14	5
Missouri	106	90
New Mexico	40	26
Tennessee	16	5
Texas	532	295
Virginia	11	3
Washington	21	1
Wyoming	7	6
All Others	61	72

CAUSE OF DEATH CLASSIFICATION

Coding Procedures

In 1948 the World Health Organization published the International Statistical Classification of Diseases, Injuries and Causes of Death, as the sixth decennial revision of the International List. This List, along with the special instructions for coding causes of death, was used during 1949 for primary classification of causes of death for statistical purposes. All of the statistics published in this bulletin for that year, except when otherwise specified, have been based on deaths classified according to the sixth revision, and the numbers in parentheses following each disease category refer to the List numbers included.

During the decade prior to 1949, the fifth revision of the List and the Manual for Joint Causes of Death was used for the selection of the primary cause to be used for statistical classification. Some of the changes

The states which reallocated the largest number of Oklahoma resident births and deaths are listed in Table 2. As might be expected, more of the resident births and deaths which occurred in other states were recorded in the states along the border, with Texas leading the list. Copies of two birth certificates and one death certificate were received from Canada, and one birth certificate was received from Alaska.

made in the inclusions in the categories for the sixth revision, and in the procedures for the selection of a single cause of death brought about some incomparability between the statistics for 1949 and those for previous years.

In order to determine how much the statistics were affected by these changes, the death certificates for 1949 were coded according to both the fifth and sixth revisions of the International List and a comparability ratio prepared for each main category. The results of this dual coding are shown in Table B in the appendix.

Comparability Ratios

The "comparability ratio" for each category is the ratio of the number of deaths classified to that category by the sixth revision to the number of deaths thus classified by the fifth revision. It is an index of how much of the increase or decrease in the number of deaths for a specific cause was due to the difference in coding procedures alone. The comparability ratio for any category may be applied to the number of deaths assigned to that category in previous years to estimate how many deaths would have been attributed to that cause had the sixth list and coding procedures been used instead of the fifth. Rates computed for the estimated number of deaths would then be comparable with the 1949 rates to determine increases or decreases in specific death rates. Table A, however, shows the deaths in 1949, with death rates, classified according to the fifth revision of the International List. These rates of course are comparable with the rates for any other years included in the same table.

Some of the major changes in the inclusions for the cause-of-death categories in the fifty-cause list were the addition of Hodgkin's disease and leukemia to the malignant neoplasm group; these diseases were formerly in the categories "other infectious and parasitic diseases" and "diseases of the blood and blood-forming organs," respectively. During 1949 there were 18 deaths assigned to Hodgkin's disease and 102 deaths assigned to leukemia by the fifth revision. There were 58 deaths assigned to "senile psychosis"; these would have been tabulated as "senility" according to the fifth revision grouping and were classified to the category "psychoses" in the sixth revision and included in the residual group "all other diseases" for the fifty-cause list.

Most of the terms or combinations of conditions that were included in the subtitle "arterio-sclerotic kidney" under chronic nephritis in the fifth revision were transferred to either the group "hypertensive heart disease with arteriolar nephrosclerosis" or "hypertension with arteriolar nephrosclerosis without mention of heart."

Pneumonia and diarrhea in infants under one month of age, included in the subtitle "infections of the newborn" in the fifth revision but were a part of the "pneumonia" and "diarrhea and enteritis" groups previously. Infant death statistics were affected even more by the inclusion of prematurity as a subtitle for each of the categories for diseases

peculiar to early infancy; prematurity took precedence over many other diseases in the old joint-cause weight tables used for selection of a single cause of death.

Other changes in inclusion terms under the different categories did not affect the statistics greatly, either because the number of deaths due to the diseases involved was small or because the change of diseases from one category to another occurred within one of the major groups in the fifty-cause list. The changes in procedure from the fifth to the sixth revision for the selection of a single underlying cause of death had more effect upon the statistics than did the changes in inclusion of terms in the tabular list.

Deaths from Selected Causes as Classified by the Fifth Revision, Broken Down According to the Sixth Revision Classification, Oklahoma, 1949

Table 3

Cause of Death	Sixth Revision Number Classified by	Fifth Revision Number Classified by
Diabetes • • • • •	291	443
Diabetes • • • • •	33	
Vascular Lesions of CNS • • • • •	84	
Diseases of the heart • • • • •	35	
Other causes • • • • •	4	
Bronchitis • • • • •	20	
Bronchitis • • • • •	12	
Bronchiectasis • • • • •	2	
Asthma • • • • •	10	
Other causes • • • • •	111	
Ulcer of stomach and duodenum • • • • •	84	
Ulcer of stomach and duodenum • • • • •	13	
Diseases of the heart • • • • •	14	
Other causes • • • • •	14	
Cirrhosis of liver • • • • •	142	
Cirrhosis of liver • • • • •	109	
Diseases of the heart • • • • •	19	
Other causes • • • • •	14	
Nephritis and nephrosis • • • • •	1,067	
Nephritis and nephrosis • • • • •	438	
Vascular lesions of CNS • • • • •	18	
Hypertensive heart disease with arteriolar nephrosclerosis • • • • •	323	
Other diseases of the heart • • • • •	128	
Hypertension with arteriolar nephrosclerosis • • • • •	67	
Uræmia, unqualified • • • • •	20	
Other causes • • • • •	73	

The numbers of deaths assigned to nonmeningococcal meningitis, rheumatic fever, hypertension without heart disease, influenza and hyperplasia of prostate were increased more by changes in coding procedures, than any other diseases as shown on Table B in the appendix.

LIVE BIRTHS

In 1949 there were 49,971 resident live births which, though fewer than the 50,428 births reported in 1948, gave an increased rate of 22.3. The birth rates for the white and Negro groups were lower than for Indians; the Indian rate of 32.5, however, was somewhat accelerated by a change in coding procedures. Prior to 1949, births to mixed white and Indian parentage were classified according to the race of the father; in 1949, births to mixed parentage were all classified according to the minor racial group specified.

Table 4

Live Births, Number and Rate,* by Race Oklahoma, 1948-1949

Year	Total		White		Negro		Indian	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1948	50,428	21.6	45,083	21.4	3,639	22.6	1,706	27.0
1949	49,971	22.3	44,272	21.9	3,647	23.6	2,052	32.5

*Number per 1,000 live births.

The per cent of infants delivered in hospitals continued to increase in 1949. As late as ten years ago (1940) only 40.1 per cent of the live births were delivered in hospitals. Except in the Indian race, the change in the last year seemed to be from delivery by physician in home to physician in hospital, with delivery by midwife in home remaining practically unchanged. In the Indian racial group, it was delivery by midwife and other which showed a decrease and delivery by physician in home changed only slightly.

Table 5

Live Birth Attendance by Race, Oklahoma, 1949

Attendance at Birth	Total		White		Negro		Indian	
	Number	Per Cent						
Per cent delivered in hospitals	91.8	72.7	94.9	75.2	61.4	25.5	93.4	79.9
Per cent delivered by physicians	98.2	96.3	99.7	98.8	83.1	62.2	99.4	91.5

Immature Births

This is the second year that data on immaturity based on birth weight have been available from the live birth tabulations, since an item for birth weight was first included in the 1948 revision of the standard certificate of live birth. In 1949 this item was complete on 96 per cent of the certificates, compared with 93 per cent in 1948. Infants with birth weight under five and one-half pounds were classified as immature.

Table 7, below, shows that the Negro race had a higher percentage of immature births than the white or Indian races, based on birth weight alone as a criterion.

Table 7
Percentage of Immature Births, by Race,
Oklahoma, 1949

	Total	White	Negro	Indian
Live births with birth weight specified	48,003	42,613	3,448	1,942
Birth weight less than $5\frac{1}{2}$ pounds	2,710	2,363	252	95
Per cent	5.6	5.5	7.3	4.9

Table 6, below, shows the per cent of live births delivered in hospitals and by physicians, urban and rural. For the white race, the percentages were practically equal, 98.8 and 99.7 per cent, for both urban and rural deliveries by physicians. The most pronounced difference between urban and rural deliveries may be seen in the Negro race. It is interesting to see, however, that the percentages for the Indian race did not differ a great deal from those for the white race; the proportion of rural Indian live births delivered in hospitals was actually larger than that of the rural white live births.

Table 6
Percentages of Live Births Delivered in Hospitals and by Physicians
by Urban or Rural Residence of Mother, by Race
Oklahoma, 1949

Approximately two-thirds of the 2,710 immature infants weighed four and one-half to five and one-half pounds at birth, (Table 8). A higher per cent of immature infants whose mothers were 20-24 years of age were in the upper weight brackets than any other age group. The average age of mothers of the immature babies at delivery was 25.7 years compared with 25.9 years for mothers of total live births.

Table 8
Resident Immature Births, by Birth Weight and Age of Mother, Oklahoma, 1949

Birth Weight	Age of Mother							
	Total	Under 15	15-19	20-24	25-29	30-34	35-44	Over 45 & Unk.
Live births with birth weight specified	48,003	88	8,354	16,568	11,787	6,339	4,603	93
Total Immature Births	2,710	7	513	920	642	352	267	4
4 lb 8 oz - 5 lb 7 oz	1,737	2	328	605	415	224	158	-
3 lb 8 oz - 4 lb 7 oz	537	2	96	186	123	63	65	2
2 lb 8 oz - 3 lb 7 oz	252	2	53	74	63	31	27	2
Less than 2 lb 8 oz	184	1	36	55	41	34	17	-

A higher percentage, 8.0 in 1949, of the infants born to mothers under 15 years of age were immature than for any other age group. The number of births to mothers under 15 was very small, but the average immature birth rate in this group for the two years 1948-1949 was still higher than for any other age group. Mothers age 45-54 had the smallest percentage of immature births, but the total number in this group was small also.

Mortality of Immature Infants

During 1949 the death certificates for resident infants were matched with the corresponding birth certificates for the preparation of special infant mortality data. Although the unmatched infant deaths were necessarily excluded from the study, the figures for deaths of immature infants have been compared with the 1949 immature birth data as an estimate of premature mortality rates.

Of the 2,710 infants weighing less than five and one-half pounds at birth, 525, or 19.4 per cent, died before they were one month of age. The proportion of immature infants that died varied for the three racial groups: 13.5 per cent for Negroes, 19.9 per cent for whites and 22.1 per cent for Indians.

The mortality rate for the smaller babies was high, with 90.8 per cent of those weighing less than 2 lbs. 9 oz. dying before one month of age. Only 6.4 per cent of the infants weighing 4 lbs. 9 oz. to 5 lbs. 8 oz. died during the neonatal period.

A total of 299, or 57 per cent, of the neonatal deaths among immature infants occurred during the first day of life, with the death rates decreasing with each day of life thereafter.

Almost 50 per cent of the deaths were assigned to immaturity as the cause of death, with another 46 per cent of the deaths attributed to congenital malformations, injuries at birth and other diseases peculiar to the first year of life.

STILLBIRTHS

There were only 860 stillbirths in 1949, striking a new low compared with the previous low number in 1942 or 911 stillbirths.

The Negro and Indian races had high rates - 35.6 and 21.9, respectively - compared with the white rate of 15.5 stillbirths per 1,000 live births.

The per cents of Negro and Indian stillbirths delivered by midwives and other non-professional attendants remained higher than the per cent of white stillbirths, and did not change much from the year before, although the percentages have been decreasing during the past twenty years.

Table 9
Stillbirth Attendance by Race, Oklahoma, 1949

Attendance at Birth	Total		White		Negro		Indian	
	Number	Per Cent						
Total	860	100.0	685	100.0	130	100.0	45	99.9
Physician in hospital	655	76.2	559	81.6	63	48.5	33	73.3
Physician in home	167	19.4	113	16.5	48	36.9	19	13.3
Midwife and other	38	4.4	13	1.9	19	14.6	6	13.3

Certificates listing ill-defined or unknown causes of stillbirths formed 30.0 per cent of the number filed in 1949. This was somewhat lower than in 1948. Of those with cause specified, 65.8 per cent were attributed to aberrations in the fetus. This was expected because on certificates with joint causes of stillbirth, causes determined in the fetus, placenta and cord invariably took precedence in assignment over causes and conditions in the mother. Placental and cord conditions and congenital malformations of the fetus were the main causes determined in the fetus, accounting for 71.2 and 18.7 per cent, respectively, of these deaths. Of the causes determined in the mother or related to pregnancy, 49.0 per cent were due to difficulties in labor and 21.8 per cent to toxemias of pregnancy. Table 10 shows the distribution of the stillbirths by cause.

Table 10

Resident Stillbirths by Cause of Stillbirth,
Oklahoma, 1949

Cause of Stillbirth	Number	Per Cent
Total.	860	100.0
Causes Determined in the Mother, or Related to Pregnancy:		
Diabetes mellitus (Y30.2)	206	24.0
Chronic disease of genito-urinary system (Y30.4)	7	0.8
Other chronic diseases (Y30.0, -1, -3, -5)	6	0.7
Acute disease in mother (Y31)	11	1.3
Toxemias of pregnancy (Y32, -3, -4)	10	1.2
Infection (ante- and intra-partum) (Y32.5)	45	5.2
Difficulties in labour (Y34)	3	0.3
Overexertion (Y35.2)	101	11.7
Accident or violence (Y35.0, -1)	2	0.2
Other and ill-defined causes in mother (Y32.1, -2, Y33, Y35.3)	14	1.6
Causes Determined in the Fetus,		
Placenta or Cord:		
Placenta and cord conditions (Y36)	396	46.0
Birth injury (Y37)	282	32.8
Congenital malformations of fetus (Y38)	15	1.7
Erythroblastosis (Y39.2)	74	8.6
Other causes determined in the fetus (Y39.0, -1, -3)	19	2.2
Ill-defined causes (Y39.4, -5)	6	0.7
Cause unspecified (Y39.6)	93	10.8
	165	19.2

Figures in parentheses refer to "Classification of Causes of Stillbirths," International Statistical Classification of Diseases, Injuries, and Causes of Death, Sixth Revision, 1948.

There were 154 operations for delivery - 21.6 per cent of the number of stillbirth certificates reporting any information about operative delivery. Over one-fourth of the certificates indicating an operation were deficient in this information. Table II, below, shows operations for delivery by time of death of the fetus. The most common operations performed were cesarean sections, forceps deliveries and versions unqualified as to whether forceps were used.

Table 11

Resident Stillbirths According to Whether Death Occurred Before or During Operation, by Race, Number and Per Cent
Oklahoma, 1949

Time of Death	Total		White		Negro		Indian	
	Number	Per Cent						
Total operations	154	99.9	126	100.0	18	100.0	10	100.0
Before operation	86	55.8	70	55.5	11	61.1	5	50.0
During operation	27	17.5	23	18.3	2	11.1	2	20.0
Not stated	41	26.6	33	26.2	5	27.8	3	30.0

The certificates were more complete with respect to data concerning death before or during labor. Table 12, below, gives this information. The Indian race had a higher per cent of fetal deaths before labor than the Negro or the white races. The percentages were 64.4, 59.2 and 52.6, respectively.

Table 12

Resident Stillbirths According to Whether Death Occurred Before or During Labor, by Race, Number and Per Cent
Oklahoma, 1949

Time of Death	Total		White		Negro		Indian	
	Number	Per Cent						
Total Stillbirths	860	100.0	685	100.0	130	100.0	45	100.0
Before Labor	466	54.2	360	52.6	77	59.2	29	64.4
During Labor	262	30.5	222	32.4	32	24.6	8	17.8
Not stated	132	15.3	103	15.0	21	16.2	8	17.8

TOTAL DEATHS

Deaths of Oklahoma residents totaled 19,346 in 1949, for a crude rate of 8.6 per 100,000 estimated population. Rates for the Negro and Indian populations, 10.9 and 9.2, respectively, were higher than the white rate of 8.4.

¹Unpublished tabulation: "Resident Stillbirths by Operative Procedure, by Race and Sex, Oklahoma, 1949," Division of Statistics, Oklahoma State Department of Health.

LEADING CAUSES OF DEATH

Concurrent with the increase in the proportion of the population age 65 and over has been an increase in the number and percentage of deaths due to diseases of older people. Table 13, below, shows a comparison of these percentages for Oklahoma.

Table 13

Change in Proportion of Deaths Due to Leading Causes in Relation to Aging Population, Oklahoma

	1920	1930	1940	1949
Per cent of population				
Age 65 and over	3.2	4.1	6.1	7.1 ¹
Per cent of total deaths assigned to:				
Diseases of the heart	4.7	11.4	18.7	30.3
Malignant neoplasms	3.8	6.1	9.5	13.2
Vascular lesions affecting central nervous system	5.9	7.1	9.2	11.4

Over one-half of the deaths in 1949 were due to the three leading causes: diseases of the heart, malignant neoplasms, and vascular lesions affecting the central nervous system. In 1920, pneumonia, influenza, accidents and tuberculosis were the four leading causes of death and cerebral hemorrhage, heart disease and cancer, were in sixth, eighth, and tenth places, respectively. By 1930 the picture had changed somewhat and heart disease had moved up to the top position as the leading cause of death, with cerebral hemorrhage fourth and cancer seventh; by 1940 these three causes were in the first three positions as causes of death as they were in 1949.

The leading causes of death vary for the different racial groups and age groups. Tuberculosis, which was the seventh leading cause of death for the Negro group and eighth for the white, was second in importance as a cause of death among the Indians in 1949. Heart disease, while the leading cause of death for all racial groups, was not the first cause of death for any age group under age 35. Accidents was the leading cause of death for all age groups between 5 and 34 but was only fourth on the list for the total population.

Both suicide and homicide were listed among the eight leading causes of death for groups between the ages 15 and 45, but the total number of deaths for these age groups was small in comparison to those in groups 45 years of age and over. Complications of pregnancy, childbirth and the puerperium as a group was a leading cause of death for the two ten-year age groups 15-24 and 25-34 but, of course, maternal causes were not important causes of death for other age groups. Other interesting facts relating to the leading causes of death for racial and age groups may be found in Table III on page 41.

Heart Disease

Heart disease was responsible for 5,856 deaths in Oklahoma in 1949, a rate of 261.4 deaths per 100,000 population. This was the highest number and rate on record, but in line with the same general upward trend in Oklahoma that has been continuous from as far back as the records are available. The 1949 rate has been accelerated to some extent by the change in coding procedures as explained in the section on cause of death classification; the rate of 240.9 deaths per 100,000 population based on deaths assigned to heart diseases according to the fifth revision of the International List was also higher than that for any preceding year, however.

Race, sex and age all seemed to be significant factors in the heart disease deaths. The rate for the white population, 265.0 per 100,000 population, was higher than for the Negro or Indian, 249.8 and 175.8, respectively. One-third of the total male deaths were attributed to diseases of the heart and only 25.8 per cent of the female deaths were attributed to diseases of the heart. The age distribution of the heart disease deaths varied some for each race-sex group, but for all groups more than fifty per cent of the deaths were age 65 or over; 67.8 per cent of the total number of heart disease deaths were age 65 or over. Approximately 38 per cent of all deaths age 65 or over were due to heart disease.

The arteriosclerotic and degenerative heart diseases led the list with 4,146 deaths, 71 per cent of the total heart disease deaths. Approximately 17 per cent of the heart disease deaths were assigned to the hypertensive heart diseases, 4 per cent to the chronic rheumatic heart diseases, and 9 per cent to other diseases of the heart. Statistics for these four major groups are included in the tables in the appendix.

Due to the high proportion of the heart disease deaths assigned to the arteriosclerotic and degenerative diseases, the pattern for that group of diseases as to race, sex and age seemed to be somewhat the same as for all heart diseases as a group. The rate for arteriosclerotic and degenerative heart disease was the highest for each of the three racial groups, with the white rate higher than for the other two races. Rates for the other three major heart disease groups, however, were higher for the Negroes than for the whites or Indians. The race-specific rates are shown in Table I in the appendix.

¹Estimated as of July 1, 1948. *Current Population Reports, Population Estimates, Series P-25, Nos. 26 and 37, Bureau of the Census, Department of Commerce.*

Malignant Neoplasms

Malignant neoplasms, including the leukemias and neoplasms of the lymphatic and hematopoietic system, was second in importance as a cause of death in 1949 and accounted for 13.2 per cent of the total deaths.

Although age seemed to be one of the most significant factors in cancer deaths, sex and race were important too, especially for some sites of malignant neoplasm. For the total population about 114.2 cancer deaths occurred to every 100,000 people. The rate for the white population was 117.3 and for the Negro and Indian, 86.1 and 84.0, respectively. Distribution of the deaths for the racial groups by site is shown on Table I in the appendix.

About 75 per cent of the cancer deaths were fifty-five years of age or over. The proportion of deaths in the older age groups varied according to site; almost 97 per cent of the deaths due to cancer of the prostate were 55 years of age and over, with 44.5 per cent 75 and over. Less than half the deaths from cancer of the cervix uteri and leukemia and aleukemia were over 55 years of age but for all other sites a majority of the deaths were 55 or over.

More of the male deaths were due to cancer of the prostate and cancer of the stomach than any other sites, with 31 per cent of the male cancer deaths assigned to those two sites. The uterus and breast were the most common sites for the females, accounting for 38 per cent of the female cancer deaths. The men died more frequently from cancer of all sites common to both sexes than did the females, except from cancer of the intestines which accounted for a few more female deaths than male. One male death was assigned to cancer of the breast though this is unusual. The sex distribution of the deaths for each site is shown in Table 14.

Table 14
Sex Distribution of Deaths from Malignant Neoplasms for Each Site
Oklahoma, 1949

Site	Male Female	Site	Male Female
Total	1307	Cervix uteri ¹	-
Buccal cavity and pharynx	45	Other or uterus	-
Stomach	15	Prostate	209
Intestines	102	Skin	39
Rectum	103	Bone and connective tissue	21
Larynx	39	Other and unspecified sites	22
Trachea, bronchus, lung	21	Leukemia and aleukemia	16
Breast	158	Lymphosarcoma and other of lymphatic and hematopoietic system	343
	31		60
	210		41
	1		51
			28

Vascular Lesions of the Central Nervous System

The number of deaths from vascular lesions of the central nervous system has increased almost constantly over the last twenty-year period. In 1928, 61.5 deaths per 100,000 population were assigned to this cause; in 1949, the rate was 98.1 which was the highest on record, except in 1943 when a rate of 93.6 was recorded. There was considerable variance in the rates for the racial groups in 1949, with a high rate of 150.8 for the Negroes and a low rate of 55.4 for the Indians as compared to a rate of 95.4 for the whites. Sex differences were not large; 47.6 per cent of the deaths were female. Age, however, was an important factor; less than one per cent of the deaths were under 35 years of age and 78.1 per cent were sixty-five and over.

Accidents

Accidents made up the fourth leading cause of death in 1949, accounting for 7.6 per cent of the total deaths. The rate of 65.9 per 100,000 estimated population shows no significant change from the rates in previous years, but the interest in accident prevention and safety procedures has grown considerably in recent years.

Congenital Malformations and Certain Diseases of Early Infancy

The proportionately large number of deaths of infants under one year of age assigned to "congenital malformations and certain diseases of early infancy" has made that the fifth leading cause of death in Oklahoma. Since all but 4.3 per cent of the deaths assigned to these conditions were under one year of age ($\frac{1}{9}$ of the deaths due to congenital malformations were in older age groups), discussion of congenital malformations and diseases of early infancy is included in the section on Infant and Neonatal Deaths.

Pneumonia

Although pneumonia was in sixth position as a leading cause of death in 1949, the number of deaths was little more than a third of what it was in 1920 when pneumonia was the leading cause of death and there were 1,582 deaths assigned to that cause.

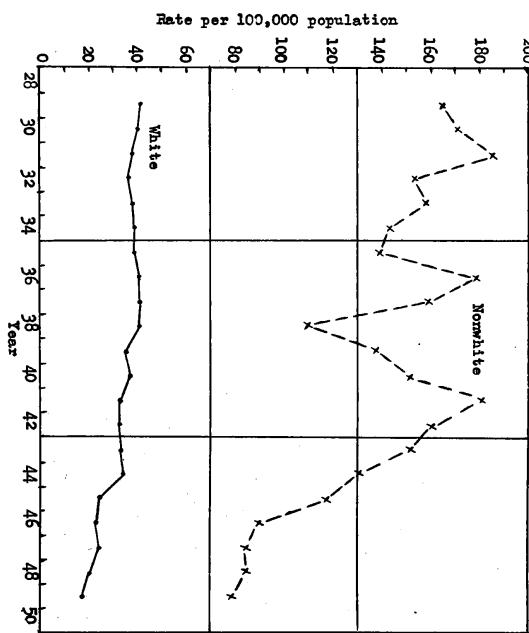
The combined rate for all pneumonia deaths among the Indians was 66.5 deaths per 100,000 population which was higher than the rates of 37.5 and 22.7 for the Negro and white groups, respectively. The very young and the older population seemed to be the most affected; adding in the 39 pneumonia deaths of infants under 28 days of age, which were included in another category, 25.2 per cent of the total 599 pneumonia deaths were under one year of age and 48.1 per cent were sixty-five and over.

Tuberculosis

The new low rate of 23.5 deaths from tuberculosis per 100,000 population in 1949 was less than half of what it was in 1929 when the rate was 54.7. Although the disease has been more of a problem among the Negroes and Indians than among the white population, the death rate for the nonwhite population has decreased even faster than it has for the white groups since 1941¹, as shown in Chart 1. The nonwhite tuberculosis death rate has shown a 56.7 per cent decrease since the 1941 figure; the white tuberculosis death rate has shown a 46.2 per cent decrease.

Chart 1

Tuberculosis Death Rates, by Race
Oklahoma, 1929 - 1949



Proportionate Mortality from Tuberculosis in State Mental Institutions and in the General Population, by Age, Oklahoma, 1949

Age in Years	Mental Institutions*		General Population	
	Total Deaths	Tuberculosis Deaths Number	Total Deaths	Tuberculosis Deaths Per Cent
All ages	572	54	9.4	19,346
Under 15	19	1	5.3	2,183
15 - 24	26	8	30.8	500
25 - 34	15	10	66.7	554
35 - 44	16	16	44.4	975
45 - 54	65	10	15.4	1,695
55 - 64	67	2	3.0	2,849
65 - 74	143	4	2.8	4,312
75 & Over	197	1	1.0	6,238
Unknown	4	25.0	40	5.0

*State operated mental institutions.

Nephritis and Nephrosis

The death rate for nephritis and nephrosis has been greatly reduced by the change in coding procedures, as explained in the discussion on comparability ratios, and adjustments of rates must be made for any comparison with rates for previous years. Using the fifth revision of the International List and coding procedures, 1,1067 deaths were assigned to this cause which would have placed it as the sixth leading cause of death instead of the eighth, and the rate of 47.6 per 100,000 estimated population would have shown no significant change from rates of previous years.

Using the sixth revision of the List and coding procedures, the rate of 64.7 for the Negro population was considerably higher than the rate of 19.0 for the whites and 17.5 for the Indians. Most of the deaths assigned to these causes were in the older age groups, with 65.4 per cent of the deaths sixty-five years of age or older.

¹See also *Tuberculosis in Oklahoma*, Revised October, 1950, published by the Division of Tuberculosis Control, Oklahoma State Department of Health.

Tuberculosis in mental institutions has been recognized as a special problem for a number of years and much has been done for the early diagnosis and care of those patients. Still, over ten per cent of the total tuberculosis deaths occur in those institutions, though the State's mental hospitals have only about three per cent of the total deaths from all causes. The proportionate mortality from tuberculosis for each age group, with one exception, was higher in the mental institutions than in the general population as shown on Table 15, with very high proportions of deaths in the age groups 15-44 due to tuberculosis.

Table 15

Proportionate Mortality from Tuberculosis in State Mental Institutions and in the General Population, by Age, Oklahoma, 1949

Age in Years	Mental Institutions*		General Population	
	Total Deaths	Tuberculosis Deaths Number	Total Deaths	Tuberculosis Deaths Per Cent
All ages	572	54	9.4	19,346
Under 15	19	1	5.3	2,183
15 - 24	26	8	30.8	500
25 - 34	15	10	66.7	554
35 - 44	16	16	44.4	975
45 - 54	65	10	15.4	1,695
55 - 64	67	2	3.0	2,849
65 - 74	143	4	2.8	4,312
75 & Over	197	1	1.0	6,238
Unknown	4	25.0	40	5.0

*State operated mental institutions.

COMMUNICABLE DISEASES

Thirty years ago (1918-1920) measles, whooping cough and diphtheria killed an average of 600 people a year in Oklahoma; during the last three years the number of deaths from the same three diseases was down to less than 60 per year. Deaths from these diseases in 1949 occurred almost exclusively in the younger age groups: the seven deaths from diphtheria were under fifteen years of age, all but three of the thirty deaths from measles were under fifteen, and the seven deaths from Whooping Cough were under one year of age.

Typhoid and paratyphoid fevers, too, have been greatly reduced from an average of 388 deaths thirty years ago to about seven deaths a year. In 1949 there were three deaths from typhoid fever and two from paratyphoid fever. Dysenteries accounted for 28 deaths in 1949 as compared to an average of 123 in 1920-1922; diarrhea and enteritis deaths dropped from 745 annually to 121 in the same period of time.

Deaths from scarlet fever have been reduced until the one recorded in 1949 was the only one in the last three years; in 1920-1922 there were 25 deaths annually from the disease. Deaths from strepococcal sore throat, however, have been recorded more frequently - 14 in 1949. The data for this disease do not go back beyond 1944, when 16 deaths were recorded, so that any significant changes in the death rates in Oklahoma are unknown.

The number of cases and deaths from poliomyelitis in 1949 were the highest in the history of the State, with 1,322 cases reported and 109 deaths. Most of the deaths, 107, occurred in the white population, with 61 per cent males and approximately 67 per cent under fifteen years of age.

More statistics indicating the progress made in communicable disease control and the problems still outstanding, are published in Part I of Public Health Statistics of Oklahoma, Reportable Diseases.

MATERNAL DEATHS

During the past decade, the number of deaths attributed to maternal causes has decreased 62.3 per cent, so that in 1949 only 69 deaths were attributed to causes of pregnancy, childbirth or the puerperium. Of every 1,000 births (live births and stillbirths) that occurred to residents of the State, only 1.3 resulted in death to the mother.

The races in order of highest maternal death rates (per 1,000 live births) were Negro, Indian and white as shown in Table 16 below. Also shown are the specific causes, of which toxemias of pregnancy and the puerperium produced almost one-third of the deaths. Septis during childbirth and the puerperium and hemorrhage of childbirth and the puerperium were assigned as the origin of the majority of the other maternal deaths.

Table 16

Cause of Death	Maternal Deaths by Cause, by Race, Number and Rate*, Oklahoma, 1949					
	Total No.	Total Rate No.	White Rate No.	Negro Rate No.	Indian Rate No.	2.9 6
All maternal causes	69	1.4	49	1.1	14	3.8
Sepsis of pregnancy (640-641)	-	-	-	-	-	-
Toxemias of pregnancy (642)	17	0.3	11	0.2	4	1.1
Hemorrhage of pregnancy (643-644)	1	0.0	1	0.0	-	1.0
Other complications of pregnancy (646-649)	1	0.0	1	0.0	-	-
Ectopic pregnancy without mention of sepsis (645.0)	5	0.1	3	0.1	1	0.5
Ectopic pregnancy with mention of sepsis (645.1)	-	-	-	-	-	-
Abortion without mention of sepsis or toxemia (650)	4	0.1	3	0.1	-	1
Abortion with mention of sepsis (651)	3	0.1	2	0.0	-	1
Abortion with toxemia (652)	1	0.0	1	0.0	-	0.5
Delivery without complications (660)	-	-	-	-	-	-
Hemorrhage of childbirth (670-672)	10	0.2	8	0.2	2	0.5
Sepsis of childbirth and the puerperium (681-682, 684)	12	0.2	9	0.2	2	0.5
Toxemias of the puerperium (685-686)	5	0.1	3	0.1	2	0.5
Other complications of childbirth and the puerperium (673-680, 687-689)	10	0.2	7	0.2	3	0.8

*Number per 1,000 live births.

Table 17 breaks down the 69 deaths by cause and by age group. The average age at delivery was 31 years compared with 26 years for mothers of live births in 1940. Maternal deaths were the fourth leading cause of death in the 15-24 year age group, and the seventh leading cause in the 25-34 year age group.

¹Unpublished tabulation. "Resident Live Births by Birth Weight and Race, By Age of Mother, Oklahoma, 1940." Division of Statistics, Oklahoma State Department of Health.

Table 17

Maternal Deaths by Cause, by Age
Oklahoma, 1949

Cause of Death	Age							
	-15	15-19	20-24	25-29	30-34	35-44	45-54	55+
All maternal causes	-15	15-19	20-24	25-29	30-34	35-44	45-54	55+
Sepsis of pregnancy, childbirth and the puerperium	-	9	14	10	8	27	1	-
Toxemia of pregnancy and the puerperium	-	-	4	3	3	2	-	-
Hemorrhage of pregnancy and childbirth	-	-	3	4	2	10	-	-
Abortion without mention of sepsis	-	-	3	1	1	5	1	-
Abortion with sepsis	-	1	-	-	1	2	-	-
Other complications of pregnancy, childbirth and the puerperium	-	3	2	2	1	8	-	-

The women whose pregnancies lasted full term had less complications during pregnancy than those whose gestation period was terminated prematurely and in approximately four-fifths of all the cases, death occurred after delivery.

INFANT DEATHS

The 1,529 deaths of infants in 1949 was the lowest number reported, giving a rate of 30.6 deaths per 1,000 live births, Table 20. In 1948 there were 1,721 deaths, a rate of 34.1. The lowest rates were for the white infants with Negroes and Indians showing a rate almost twice as high.

Almost 69 per cent, 1,049, of all deaths under one year of age were assigned to congenital malformations, injury at birth, immaturity or other diseases peculiar to early infancy. This group of diseases ranked as the fifth leading cause of death for the total population. It is interesting to note that the death rates from congenital malformations and injuries at birth were lower for Indians than for Negroes and whites. Rates for the other causes of death in this group did not show as much variation for the three racial groups. Over one-half of the deaths assigned to this group of diseases occurred during the first day of life and 92 per cent during the first month.

A special study involving the matching of birth and death certificates of infant deaths occurring in 1949 with Oklahoma as place of residence is now in progress. More detailed information on infant mortality will be included in this study.

Table 18

Deaths Under One Year by Cause, by Race, Number and Rate*, Oklahoma, 1949

Cause of Death	Total	White	Negro	Indian				
	No. Rate	No. Rate	No. Rate	No. Rate				
Infant deaths, all causes	1529	30.6	124.7	28.2	179	49.1	103	50.2
Syphilis and its sequelae (020)	7	0.1	1	0.0	3	0.8	3	1.5
Whooping cough (056)	7	0.1	4	0.1	1	0.3	2	1.0
Other infective and parasitic diseases (1-19, 21-55, 71-738)	42	0.8	27	0.6	11	3.0	4	1.9
Pneumonia (450-493, 763)	151	3.0	98	2.2	26	7.1	27	13.2
Other diseases of the respiratory system (470-475, 480-483, 500-527)	32	0.6	17	0.4	11	3.0	4	1.9
Gastro-enteritis and colitis (571-572, 764)	61	1.2	39	0.9	13	3.6	9	4.4
Other diseases of the digestive system (530-570, 573-587)	28	0.6	20	0.5	6	1.6	2	1.0
Congenital malformations (750-759)	194	3.9	175	4.0	15	4.1	19	4.9
Injury at birth (760-761)	157	3.1	140	3.2	13	3.6	4	1.9
Immaturity (774, 776)	379	7.6	335	7.6	29	8.0	15	7.3
Other certain diseases of early infancy (762, 765-773)	319	6.4	278	6.3	26	7.1	15	7.3
Accidents (1580-1592)	53	1.1	43	1.0	10	2.7	-	-
Other defined causes	55	1.1	45	1.0	8	2.2	2	1.0
Symptoms and ill-defined conditions (780-793, 795)	44	0.9	25	0.6	7	1.9	12	5.8

*Number per 1,000 live births.

Deaths of Infants Under One Month of Age

Neonatal deaths formed by far the majority of infant deaths, 1,090 or 71.3 per cent. The proportion was smaller, however, for Negro and Indian races than for the white - 58.1, 54.4 and 74.6 per cent, respectively. The mortality rates for white, Negro and Indian infants under one month were 21.0, 28.5 and 27.3, respectively (Table 19).

Immaturity was responsible for more deaths than any other disease or condition, although the number of deaths assigned to this cause alone has been greatly reduced by the inclusion of prematurity as a subtitle for each of the diseases peculiar to early infancy, as explained in the section on the comparability ratio. Injury at birth and congenital malformations also were primary causes.

¹Division of Statistics, Oklahoma State Department of Health, *Maternal Mortality Study, Oklahoma 1949*. Unpublished administrative study.

Death rates for pneumonia and other respiratory diseases and the enteric diseases for those very young infants were noticeably higher among the Negro and Indian races than among the whites.

Table 19

Deaths Under One Month by Cause*, by Race, Number and Rate*, Oklahoma, 1949

Cause of Death	Total No.	White Rate	Negro No.	Indian Rate
Neonatal deaths, all causes	1090	21.8	930	21.0
Syphilis and its sequelae (020)	4	0.1	-	-
Whooping cough (056)	1	0.0	-	-
Other infective and parasitic diseases (1-19, 21-55, 57-136)	8	0.2	4	0.1
Pneumonia (490-493, 763)	39	0.8	24	0.5
Other diseases of the respiratory system (470-475, 480-483, 500-527)	9	0.2	6	0.1
Gastro-enteritis and colitis (571-572, 764)	9	0.2	4	0.1
Other diseases of the digestive system (530-570, 573-587)	6	0.1	4	0.1
Congenital malformations (750-759)	139	2.8	126	2.8
Injury at birth (760-761)	157	3.1	140	2.7
Immaturity (774, 776)	372	7.4	328	7.4
Other certain diseases of early infancy (762, 765-773)	297	5.9	262	5.9
Accidents (E800-E962)	13	0.3	9	0.2
Other defined causes	12	0.2	10	0.2
Symptoms and ill-defined conditions (780-793, 795)	24	0.5	13	0.3

*Number per 1,000 live births.

Over one-half of the neonatal deaths were in infants not yet one day old and approximately 87 per cent died within the first week after birth, Table 20.

The 241 deaths of infants less than one day old constituted 63.6 per cent of the total number of deaths assigned to this cause. About 60.5 per cent of the deaths due to birth injuries, 45.8 per cent of the deaths assigned to "other certain diseases of infancy," and 24.7 per cent of the deaths attributed to congenital malformations occurred during the first day of life.

Table 20

Deaths Under One Month of Age, by Cause, by Age Oklahoma, 1949

Cause of Death	Age in Days					
	Under 1	1	2	3	4	5
Neonatal deaths, all causes	553	178	83	58	25	26
Syphilis and its sequelae	2	1	-	-	-	-
Whooping cough	-	-	-	-	-	-
Other infective and parasitic diseases	-	-	-	-	-	-
Pneumonia	-	-	-	-	-	-
Other diseases of the respiratory system	-	-	-	-	-	-
Gastro-enteritis and colitis	-	-	-	-	-	-
Other diseases of the digestive system	1	-	-	-	-	-
Congenital malformations	48	21	14	8	4	7
Injury at birth	95	19	19	8	4	3
Immaturity	241	60	17	14	7	7
Other certain diseases of early infancy	146	67	24	16	9	6
Accidents	2	2	3	-	-	-
Other defined causes	7	2	2	-	-	-
Symptoms and ill-defined conditions	9	2	4	2	-	-

Deaths of Infants One to Eleven Months of Age

Only 439 of the 1,529 deaths in infants were one to eleven months old (Table 21). Approximately one-fourth of these were one month old with the number of deaths diminishing as the months of life increased.

The four leading causes of death in this group were pneumonia, congenital malformations, gastro-enteritis and colitis, and accidents. Almost one-half of the accidents occurred to infants under three months of age and, in general, were due to smothering in bed by bed covers or parent.

All but one of the total whooping cough deaths were in this age group and these were in infants one to seven months of age; the one other whooping cough death for the year was under one month of age. The syphilis deaths in the infants one-eleven months of age were all under five months.

Immaturity, the first cause of death in neonates, was responsible for only seven deaths, all under six months of age.

Table 21

Deaths One to Eleven Months of Age, by Cause, by Age
Oklahoma, 1949

Cause of Death	Age in Months									
	1-11	1	2	3	4	5	6	7	8-9	10-11
Infant deaths, all causes	439	102	57	52	49	34	33	26	51	35
Syphilis and its sequelae	3	-	1	1	1	1	-	2	-	-
Whooping cough	6	1	-	2	-	1	-	2	-	-
Other infective and parasitic diseases	34	4	4	4	4	5	3	3	5	2
Pneumonia	112	19	14	12	6	11	13	8	15	14
Other diseases of the respiratory system	23	2	2	3	8	3	1	-	4	-
Gastro-enteritis and colitis	52	13	8	6	9	2	2	3	6	3
Other diseases of the digestive system	22	6	1	3	3	2	1	2	2	2
Congenital malformations	55	25	7	6	2	3	5	1	3	3
Injury at birth	-	-	-	-	-	-	-	-	-	-
Immaturity	7	3	2	1	1	1	-	-	-	-
Other certain diseases of early infancy	22	9	2	5	1	1	1	1	1	1
Accidents	40	8	10	4	3	2	3	2	4	-
Other defined causes	43	7	2	3	9	1	3	3	10	5
Symptoms and ill-defined conditions	20	5	4	2	3	-	2	-	3	1

Symbols Used in Tables

- Number or rate is zero
- ... Item not applicable
- 0.0 Rate is more than 0 but less than 0.05
- Data not available

APPENDIX

TABLE A. BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1930-1949

Figures in parentheses refer to fifth revision of International List of Causes of Death.

Rates from specific causes represent number per 100,000 estimated population.

Rates represent number per 1,000 live births.

SOURCE: 1930 through 1938 - VITAL STATISTICS OF THE UNITED STATES, Bureau of the Census annual publications, by place of occurrence.

1937 through 1949 - Oklahoma State Department of Health records,

By [Prerna](#) at [Fullstacker](#)

TABLE A. BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, OKLAHOMA, 1930-1949 - Continued

Figures in Parentheses Refer to Fifth Revision of International List of Causes of Death

Estimated population, July 1	1940	1941	1942	1943	1944
	2,235,995	2,234,237	2,132,479	2,070,721	2,023,842
LIVE BIRTHS*					
Physician in hospital	17,720	16,111	15,850	20,3	21,0
Physician at home	25,216	20,350	24,612	22,1	23,1
Midwife, other, or unknown	1,302	2,216	22,677
Stabilization	1,657	1,657	1,680	1,680	1,680
Physician in hospital	1,298	29,3	27,6	20,1	21,0
Physician in home	593	553	511	575	564
Midwife, other, or unknown	661	648	385	311	313
Total deaths	20,614	19,717	19,351	19,705	19,634
Newborn under 1 month	1,316	1,264	1,204	1,204	1,201
Infantile pneumonia	1,316	1,316	1,316	1,316	1,316
Typhoid, paratyphoid fevers	1,2	1,2	1,2	1,2	1,2
Malaria, fever	12	5	9	5	6
Hemolytic anemia	5	0	0	0	0
Scarlet fever	7	5	0	0	0
Whooping cough	3,242	3,255	3,255	3,255	3,255
Measles	1,201	1,201	1,201	1,201	1,201
Pneumonia, all forms	1,255	1,255	1,255	1,255	1,255
Respiratory system	1,031	4,655	4,716	4,716	4,716
Pneumonia (acute)	5	9	9	9	9
Measles	22	22	22	22	22
Bronchitis	205	11,444	11,444	11,444	11,444
Syphilis	569	569	569	569	569
Measles	214	214	214	214	214
Measles	3	0	0	0	0
Ante-puerperal and ante-partum	20	0	0	0	0
poliomyelitis and acute	12	0	0	0	0
acute infectious encephalitis	37	0	0	0	0
Holy Mountain spotted fever	73	3,2	58	3,2	3,2
Other infections and parasitic diseases	22	9	53	24	24
Measles	2,474	1,123	2,280	2,280	2,280
Cards	1,292	1,292	1,292	1,292	1,292
Chancroid	1,292	1,292	1,292	1,292	1,292
Other tumors	16,540	16,444	16,444	16,444	16,444
Ante-puerperal fever	168	168	168	168	168
Habibes, malignant (63)	321	14,3	14,3	14,3	14,3
Tuberculosis	168	168	168	168	168
Other diseases of the respiratory system	1,082	81,7	81,2	81,2	81,2
Other diseases of the heart and blood vessels	70	3,0	61	2,7	2,7
Inflammation of the blood and blood-forming organs	122	5,3	150	6,7	121
Chronic poisoning and intoxication	40	1,7	38	1,7	1,7
Other diseases of the circulatory system	1,300	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Alcoholism	1,003	1,003	1,003	1,003	1,003
Other diseases of the nervous system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diseases of the heart	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the heart and blood vessels	1,003	1,003	1,003	1,003	1,003
Diseases of the arteries	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003	1,003	1,003
Other diseases of the circulatory system	1,003	1,003	1,003	1,003	1,003
Other diseases of the eye, ear, nose, and throat	1,003	1,003	1,003	1,003	1,003
Diabetes mellitus	1,003	1,003	1,003</		

Diseases of the Heart

Cause of Death	Sixth Revision of International List			Fifth Revision of International List			Comparability Ratio*
	Last Number	Number	Death Rate	Last Number	Number	Death Rate	
All causes	ODN-008	19,216	21.9	10,345	10,345	22.7	0.95
Tuberculosis, other forms	ODN-019	490	1.7	509	40	1.8	0.95
Syphilis and its sequelae	ODN-029	121	5.4	142	6.3	0.85	
Syphilitic liver	ODN-039	23	0.1	28	1.3	1.0	0.75
Stomach, liver and suprarenal gland	ODN-049	15	0.7	10	1.3	1.0	0.75
Diphtheria	ODN-059	7	0.3	7	0.3	1.0	0.95
Hemophilic conjunctivitis	ODN-069	6	0.3	8	0.4	0.88	
Hemangioma	ODN-079	10	0.4	10	0.4	1.00	
Hemangioma	ODN-089	109	4.9	109	4.9	1.00	
Hemangioma	ODN-099	13	1.3	34	1	0.00	
Hemangioma	ODN-109	35	3.5	31	1.4	0.57	
Hemangioma	ODN-119	4	0.2	4	0.2	0.50	
All other diseases classified as infective and parasitic	ODN-129	28	2.5	21, 5, 7, 11, 13,	13	0.1	
Vascular lesions affecting CNS	ODN-139	64	2.9	37, 38, 40, 44	68	3.0	0.94
Homogeneous meningitis	ODN-149	34	1.5	2, 10, 9, 18, 20	10	0.98	
Arthritis, rheumatic	ODN-159	22	1.0	21, 24, 25, 26	21	1.1	0.95
Arteriosclerosis and degenerative heart disease	ODN-169	277	10.1	90, 90b, 90c, 90b	27	1.1	0.95
Arteriosclerosis	ODN-179	4, 16	185.1	90b, 90c, 90b, 90c	4, 16	1.0	0.95
Hypertension with heart disease	ODN-189	4, 13	92.9	92a, 92b, 92c, 92d	4, 13	1.0	0.95
Hypertension without mention of heart disease	ODN-199	44, 143	42.3	92a, 92b, 92c, 92d	33	1.0	0.95
Pneumonia	ODN-209	222	9.9	92a, 92b, 92c, 92d	222	1.0	0.95
Phlebitis and thrombosis	ODN-219	4, 11	2.7	92a, 92b, 92c, 92d	22	1.0	0.95
Homogeneous meningitis	ODN-229	34	1.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arthritis, rheumatic	ODN-239	22	1.0	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis and degenerative heart disease	ODN-249	167	7.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis	ODN-259	122	5.5	92a, 92b, 92c, 92d	22	1.0	0.95
Hypertension without mention of heart disease	ODN-269	44, 143	42.3	92a, 92b, 92c, 92d	22	1.0	0.95
Pneumonia	ODN-279	222	9.9	92a, 92b, 92c, 92d	22	1.0	0.95
Phlebitis and thrombosis	ODN-289	4, 11	2.7	92a, 92b, 92c, 92d	22	1.0	0.95
Homogeneous meningitis	ODN-299	34	1.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arthritis, rheumatic	ODN-309	22	1.0	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis and degenerative heart disease	ODN-319	167	7.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis	ODN-329	122	5.5	92a, 92b, 92c, 92d	22	1.0	0.95
Hypertension without mention of heart disease	ODN-339	44, 143	42.3	92a, 92b, 92c, 92d	22	1.0	0.95
Pneumonia	ODN-349	222	9.9	92a, 92b, 92c, 92d	22	1.0	0.95
Phlebitis and thrombosis	ODN-359	4, 11	2.7	92a, 92b, 92c, 92d	22	1.0	0.95
Homogeneous meningitis	ODN-369	34	1.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arthritis, rheumatic	ODN-379	22	1.0	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis and degenerative heart disease	ODN-389	167	7.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis	ODN-399	122	5.5	92a, 92b, 92c, 92d	22	1.0	0.95
Hypertension without mention of heart disease	ODN-409	44, 143	42.3	92a, 92b, 92c, 92d	22	1.0	0.95
Pneumonia	ODN-419	222	9.9	92a, 92b, 92c, 92d	22	1.0	0.95
Phlebitis and thrombosis	ODN-429	4, 11	2.7	92a, 92b, 92c, 92d	22	1.0	0.95
Homogeneous meningitis	ODN-439	34	1.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arthritis, rheumatic	ODN-449	22	1.0	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis and degenerative heart disease	ODN-459	167	7.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis	ODN-469	122	5.5	92a, 92b, 92c, 92d	22	1.0	0.95
Hypertension without mention of heart disease	ODN-479	44, 143	42.3	92a, 92b, 92c, 92d	22	1.0	0.95
Pneumonia	ODN-489	222	9.9	92a, 92b, 92c, 92d	22	1.0	0.95
Phlebitis and thrombosis	ODN-499	4, 11	2.7	92a, 92b, 92c, 92d	22	1.0	0.95
Homogeneous meningitis	ODN-509	34	1.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arthritis, rheumatic	ODN-519	22	1.0	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis and degenerative heart disease	ODN-529	167	7.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis	ODN-539	122	5.5	92a, 92b, 92c, 92d	22	1.0	0.95
Hypertension without mention of heart disease	ODN-549	44, 143	42.3	92a, 92b, 92c, 92d	22	1.0	0.95
Pneumonia	ODN-559	222	9.9	92a, 92b, 92c, 92d	22	1.0	0.95
Phlebitis and thrombosis	ODN-569	4, 11	2.7	92a, 92b, 92c, 92d	22	1.0	0.95
Homogeneous meningitis	ODN-579	34	1.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arthritis, rheumatic	ODN-589	22	1.0	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis and degenerative heart disease	ODN-599	167	7.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis	ODN-609	122	5.5	92a, 92b, 92c, 92d	22	1.0	0.95
Hypertension without mention of heart disease	ODN-619	44, 143	42.3	92a, 92b, 92c, 92d	22	1.0	0.95
Pneumonia	ODN-629	222	9.9	92a, 92b, 92c, 92d	22	1.0	0.95
Phlebitis and thrombosis	ODN-639	4, 11	2.7	92a, 92b, 92c, 92d	22	1.0	0.95
Homogeneous meningitis	ODN-649	34	1.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arthritis, rheumatic	ODN-659	22	1.0	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis and degenerative heart disease	ODN-669	167	7.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis	ODN-679	122	5.5	92a, 92b, 92c, 92d	22	1.0	0.95
Hypertension without mention of heart disease	ODN-689	44, 143	42.3	92a, 92b, 92c, 92d	22	1.0	0.95
Pneumonia	ODN-699	222	9.9	92a, 92b, 92c, 92d	22	1.0	0.95
Phlebitis and thrombosis	ODN-709	4, 11	2.7	92a, 92b, 92c, 92d	22	1.0	0.95
Homogeneous meningitis	ODN-719	34	1.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arthritis, rheumatic	ODN-729	22	1.0	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis and degenerative heart disease	ODN-739	167	7.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis	ODN-749	122	5.5	92a, 92b, 92c, 92d	22	1.0	0.95
Hypertension without mention of heart disease	ODN-759	44, 143	42.3	92a, 92b, 92c, 92d	22	1.0	0.95
Pneumonia	ODN-769	222	9.9	92a, 92b, 92c, 92d	22	1.0	0.95
Phlebitis and thrombosis	ODN-779	4, 11	2.7	92a, 92b, 92c, 92d	22	1.0	0.95
Homogeneous meningitis	ODN-789	34	1.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arthritis, rheumatic	ODN-799	22	1.0	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis and degenerative heart disease	ODN-809	167	7.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis	ODN-819	122	5.5	92a, 92b, 92c, 92d	22	1.0	0.95
Hypertension without mention of heart disease	ODN-829	44, 143	42.3	92a, 92b, 92c, 92d	22	1.0	0.95
Pneumonia	ODN-839	222	9.9	92a, 92b, 92c, 92d	22	1.0	0.95
Phlebitis and thrombosis	ODN-849	4, 11	2.7	92a, 92b, 92c, 92d	22	1.0	0.95
Homogeneous meningitis	ODN-859	34	1.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arthritis, rheumatic	ODN-869	22	1.0	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis and degenerative heart disease	ODN-879	167	7.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis	ODN-889	122	5.5	92a, 92b, 92c, 92d	22	1.0	0.95
Hypertension without mention of heart disease	ODN-899	44, 143	42.3	92a, 92b, 92c, 92d	22	1.0	0.95
Pneumonia	ODN-909	222	9.9	92a, 92b, 92c, 92d	22	1.0	0.95
Phlebitis and thrombosis	ODN-919	4, 11	2.7	92a, 92b, 92c, 92d	22	1.0	0.95
Homogeneous meningitis	ODN-929	34	1.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arthritis, rheumatic	ODN-939	22	1.0	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis and degenerative heart disease	ODN-949	167	7.5	92a, 92b, 92c, 92d	22	1.0	0.95
Arteriosclerosis	ODN-959	122	5.5	92a, 92b, 92c, 92d	22	1.0	0.95
Hypertension without mention of heart disease	ODN-969	44, 143	42.3	92a, 92b, 92c, 92d	22	1.0	0.95
Pneumonia	ODN-979	222	9.9	92a, 92b, 92c, 92d	22	1.0	0.95
Phlebitis and thrombosis	ODN-989	4, 11	2.7	92a, 92b, 92c, 92d	22	1.0	0.95
Homogeneous meningitis	ODN-999	34	1.5	92a, 92b, 92c, 92d	22	1.0	0.95

* Rates represent number per 100,000 estimated population, referred to death.

† Causes and conditions of death classified by fifth revision.

‡ Rates represent number per 1,000 live births.

TABLE B. RESIDENT DEATHS AND DEATH RATES BY CAUSE, CLASSIFIED BY FIFTH AND SIXTH REVISIONS

OF INTERNATIONAL STATISTICAL CLASSIFICATION AND COMPARABILITY RATIOS, OKLAHOMA, 1949

Country	BIRTHS		STILLBIRTHS		DEATHS		Infant Deaths
	Number	Rate**	Number	Rate	Number	Rate	
BRITISH STATE	49,595	22.1	863	17.4	18,890	8.4	1,053
Alabama	163	11.0	5	30.7	7	1.4	30.1
Air Force	112	12.9	2	14.1	2	1.0	21.1
Arizona	102	11.0	5	14.7	12	0.9	21.3
Arkansas	102	11.0	2	14.7	12	0.9	21.3
Atlanta	102	11.0	2	14.7	12	0.9	21.3
Autumn	102	11.0	2	14.7	12	0.9	21.3
Baltimore	102	11.0	2	14.7	12	0.9	21.3
Blaine	102	11.0	2	14.7	12	0.9	21.3
Brownsville	102	11.0	2	14.7	12	0.9	21.3
Bryant	102	11.0	2	14.7	12	0.9	21.3
Canton	102</td						

TABLE I. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, BY RACE, OKLAHOMA, 1949

(continued)

Estimated population, July 1, 1949.	Total	White	Negro	Indian
	2,239,731	2,022,067	154,339	63,125
Live births*	49,971	22,3	3,647	23.6
Births in hospital	43,678	22,3	4,272	21.9
Mother, other, or unknown	1,720	...	6,293	...
Physician in home	1,722	...	3,559	...
Physician in hospital	655	...	559	...
Midwife, other, or unknown	167	...	113	...
Total deaths, all causes [†]	19,246	8.6	10,980	13.3
Deaths under 1 year [‡]	10,729	8.4	1,485	19.9
Inhabitants of respiratory system (001-005)	1,090	2.0	1,247	28.5
All other conditions of respiration and general, not coded	490	2.1	920	21.0
Tuberculosis of intestines, alimentary and mesenteric glands (011)	39	0.8	35	8.7
Tuberculosis, all bones and joints (012-013)	16	0.7	11	6.3
Osteoarthritis, all forms (014-019)	8	0.4	2	1.3
Arteritis (021)	2	0.1	2	1.9
Gout and gouty arthritis (022-023)	28	1.3	10	26.3
All other polyarthritides (023-026)	37	1.7	3	87
Osteoporosis (026-027)	3	0.1	1	9.5
Pyrophilic fever and other Salmonella infections (028)	1	0.0	1	1.9
Cholera (033)	2	0.1	1	6.0
Hepatitis (041)	2	0.1	1	6.0
Jaundice, undetermined cause (042)	26	1.3	7	3.5
Saint's fever (044)	1	0.0	1	4.5
Streptococcal sore throat (051)	14	0.6	12	2.4
Esophagitis (052)	2	0.1	1	1.3
Septicema and pyemia (053)	14	0.6	12	1.3
Diphtheria (055)	2	0.1	1	1.3
Hopping cough (056)	7	0.3	5	7.0
Pharyngeal catarrh (057)	20	0.4	8	4.4
Pneumonia (058)	26	1.3	10	3.8
Respiratory tuberculosis (061)	8	0.4	5	6.3
Asthma (062)	109	4.9	107	5.3
Acute laryngitis, tracheobronchitis (063)	5	0.2	4	0.2
Other effects of acute polyarthritis and enteritis (064)	3	0.1	3	0.6
Diarrhea, nonacute enteropathy (065-069)	30	1.3	23	1.1
Plague (070)	8	0.4	8	4.4
Yellow fever (071)	—	—	—	—
Infectious hepatitis (092)	—	—	—	—
Rabies (094)	—	—	—	—
Typhus and other rickettsial diseases (100-108)	—	—	—	—
Salmonella (110-111)	—	—	—	—
Hydatid disease (125)	—	—	—	—
Plasmodiasis (127)	—	—	—	—
Ancylostomiasis (129)	—	—	—	—
Other diseases due to helminths (124-126)	—	—	—	—
Malignant neoplasm of stomach (151)	286	1.3	270	1.3
All other diseases classified as neoplastic	1,000	4.5	924	5.9
Salivary gland (152-153)	62	0.3	50	3.0
Other neoplasm (154-157)	131	0.6	102	0.7
Malignant neoplasm of breast (160)	23	1.0	20	1.3
Malignant neoplasm of esophagus (160)	23	1.0	19	1.9
Malignant neoplasm of intestine, except breast (162-165)	303	13.5	270	13.4
Malignant neoplasm of lung (166)	213	10.8	207	11.3
Malignant neoplasm of liver (167)	22	1.0	20	1.3
Malignant neoplasm of prostate, rectum, and other bronchi and lung, not specified as elsewhere located (168-170)	189	8.4	183	9.1
Malignant neoplasm of breast (170)	211	9.0	7	4.5

*Rate from specific causes represent number per 1,000 estimated population.

†Rate represent number per 1,000 estimated population.

‡Rate represent number per 1,000 live births.

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	Total	White	Negro	Indian
	Number	Rate	Number	Rate
Malignant neoplasm of cervix uteri (171)	114	5.1	4	2.6
Malignant neoplasm of colon and unspecified	150	6.7	129	6.4
Malignant neoplasm of rectum (172-174)	209	9.3	185	10.6
Malignant neoplasm of skin (190-191)	60	2.7	57	1.9
Malignant neoplasm of bone and connective tissue (196-197)	39	1.7	37	1.8
Malignant neoplasm of prostate (177)	151	1.0	210	—
Malignant neoplasm of uterus (178-179)	1,004	3.0	1,029	3.0
Malignant neoplasm of bladder (175)	93	1.3	133	1.9
Malignant neoplasm of kidney (192)	35	1.9	35	1.9
Malignant neoplasm of liver (193)	133	1.3	133	1.3
Malignant neoplasm of heart (194)	101	1.0	101	1.0
Malignant neoplasm of brain (195)	101	1.0	101	1.0
Malignant neoplasm of lymphatic system (196-197)	79	3.5	73	3.6
Breast neoplasm and neoplasms of unpreserved body tissue (210-219)	104	4.6	85	4.2
Neoplasm of skin (210-219)	24	1.2	20	1.1
Neoplasm of soft tissue (210-219)	1,150	1.0	1,150	1.0
Neoplasm of bone (210-219)	298	1.3	293	1.4
Arteriosclerosis and other degenerative diseases (240-245)	603	4.5	597	4.8
Arteritis (246-249)	60	2.7	53	2.6
Allergic disorders; all other endocrinology, metabolism, and blood illnesses (240-245)	127	5.7	116	5.7
Neoplasms of eye (250-259)	119	5.3	104	5.1
Peritonitis, appendicitis, and diseases of personality (260-269)	33	1.5	31	1.3
Obstetric complications (260-269)	23	0.1	21	—
Vascular lesions affecting central nervous system (270-279)	2,197	98.1	1,929	92.4
Neuritis, neuritis, meningitis (240)	174	1.5	151	0.8
Neuritis, neuritis, meningitis (240)	174	1.5	151	0.8
Polymyositis (270-279)	35	1.0	29	1.4
Trichinosis (270-279)	1	—	1	—
Obstetric complications (280-289)	1	—	1	—
Obstetric complications (280-289)	1	—	1	—
All other diseases of the nervous system and sense organs (242-244, 250-252, 256-258)	2,197	98.1	1,929	92.4
Neuritis, neuritis, meningitis (240-245)	174	1.5	151	0.8
Neuritis, neuritis, meningitis (240-245)	174	1.5	151	0.8
Obstructive, hemorrhagic, and degenerative heart disease (220-229)	4,146	185.1	3,887	192.2
Other diseases of heart (230-234)	970	43.3	830	41.0
Hypertension without mention of heart disease (240-243)	222	9.6	194	7.2
Hypertension without mention of heart (244-247)	394	17.6	372	14.2
Diabetes mellitus (250-256)	222	8.3	167	8.3
Diabetes mellitus (250-256)	222	8.3	167	8.3
Other cardiovascular diseases (240-245)	227	10.1	202	10.0
Obstructive, hemorrhagic, and degenerative heart disease (220-229)	4,146	185.1	3,887	192.2
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Hypertension without mention of heart disease (240-243)	222	9.6	194	7.2
Hypertension without mention of heart (244-247)	394	17.6	372	14.2

TABLE II. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, BY RACE, OREGON, 1949
(Continued)

	Total	White	White	Negro	Indian							
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Cirrhosis of liver (591)	115	5.1	106	5.2	4	2.6	5	7.9				
Other diseases of digestive system (595)	111	5.0	104	5.1	5	3.2	2	3.2				
Acute nephritis (596)	101	4.5	77	3.8	23	14.9	1	1.6				
Other nephritis (597)	36	1.6	28	1.4	6	3.9	2	3.2				
Inflammation of kidney (598)	428	20.4	355	17.6	94	60.8	9	14.3				
Inflammation of ureters, bladder, and kidneys (599)	130	5.4	108	5.3	11	7.1	1	1.6				
Diseases of breast (600)	130	5.4	108	5.3	11	7.1	1	1.6				
Other diseases of genito-urinary system (601-607)	60	2.7	47	2.3	9	5.8	4	6.3				
Septic or pregnancy, childbirth and the puerperium (608-614)	12	0.5	9	0.4	2	1.3	1	1.6				
Tuberculosis, pneumonia, and the pneumothorax (615-621)	23	1.0	15	0.7	6	3.9	2	3.2				
Arthritis, gout, rheumatism, and rheumatoid (622-628)	11	0.5	9	0.4	2	1.3	—	—				
Abortion without mention of sepsis or toxemia (629)	4	0.2	3	0.1	—	—	1	1.6				
Abortion with sepsis (631)	3	0.1	2	0.1	—	—	1	1.6				
Other complications of pregnancy, childbirth and the puerperium (641-647)	16	0.7	11	0.5	4	2.6	3	1.6				
Infection of skin, mucous membranes, and subcutaneous tissue (650-656)	6	0.3	4	0.2	1	0.6	1	1.6				
Muscular rheumatism and rheumatism, unspecified (657-661)	3	0.1	2	0.1	1	0.6	1	1.6				
Osteomylelitis and periosteitis (662)	5	0.2	5	0.2	—	—	—	—				
Angina, non-anginal myocarditis, and myocardial infarction (663-667)	1	0.0	1	0.0	—	—	—	—				
Other diseases of heart, including congenital anomalies (668-672)	22	1.0	18	0.9	2	1.3	2	3.2				
Spina bifida and meningocele (673)	20	0.9	17	0.8	2	1.3	1	1.6				
Congenital malformations of circulatory system (674-678)	129	5.8	124	6.1	4	2.6	1	1.6				
All other congenital malformations (750)	94	4.2	81	4.0	11	7.1	2	3.2				
Birth defects (751-757)	157	7.0	140	6.9	13	8.4	2	6.3				
Potomac River and Anacostia (761)	181	8.1	161	8.0	12	7.8	8	12.7				
Infections of the newborn (765-768)	47	2.1	26	1.3	13	8.4	1	1.6				
Hemolytic disease of newborn (770)	23	1.0	21	0.6	6	1	1.6					
All other defined diseases of early infancy (689-771, 772)	51	2.3	38	1.9	8	5.2	5	7.9				
112-defined diseases peculiar to early infancy, childhood, and lactancy, unqualified (773-796)	112	5.0	102	4.7	10	10.0	2	10.0				
Seriously short duration of psychosis (797)	174	7.8	156	7.7	14	9.1	6	6.3				
III-defined and unknown causes of nonfatality (798-802)	423	18.9	392	15.9	62	40.1	13	39.0				
Motor vehicle accidents (803-806)	550	24.8	511	25.3	26	16.8	13	20.6				
Other transport accidents (807-809)	87	3.9	81	4.0	5	3.2	1	1.6				
Aviation accidents (810-812)	50	2.2	45	2.4	4	2.6	1	1.6				
Automobile accidents (813-815)	437	19.5	390	19.3	31	20.1	16	25.3				
Accident caused by fire and explosion of combustible material (816)	174	7.8	156	7.7	14	9.1	6	6.3				
Accident caused by hot substance, corrosive liquid, steam, and flame (817-819)	14	0.6	13	0.6	1	0.6	1	1.6				
Accident caused by firearms (820-822)	67	3.0	47	2.3	2	3.9	1	1.6				
Industrial injuries and nonoccupational injuries (823-825)	216	1.1	201	1.2	12	7.8	3	4.8				
Slidell and small-parted injury (826-827)	37	1.7	36	1.8	—	—	—	—				
Headache and injury purposely inflicted by other persons (not in war) (828, 829, 830, 831)	180	8.0	103	8.6	4	2.6	3	4.8				
Army resulting from operations of war (832-837)	127	5.7	77	3.8	47	30.4	3	4.8				

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Cause of Death	All Ages				Under 1 Year			
	White	Black	Indian	White	Black	Indian	White	Black
Total deaths, all causes*	10,339	6,711	965	719	319	262	732	515
Underlying cause of death								
Tuberculosis, other forms (010-019)	224	121	55	34	24	1	2	1
Spina bifida and other congenital anomalies (020-029)	12	11	4	3	3	2	1	1
Diarrhea, acute (051-054)	70	18	23	5	12	1	2	1
Scarlet fever and streptococcal sore throat (090, 091)	8	6	4	2	1	1	2	1
Diphtheria (095)	3	1	1	1	1	1	1	1
Whooping cough (096)	3	1	1	1	1	1	1	1
Hepatitis (097-099)	66	42	12	12	2	2	5	1
Measles (090)	11	12	2	2	1	1	1	1
Typhus and other rickettsial disease (100-104)	1	1	1	1	1	1	1	1
Malaria (110-117)	2	1	1	1	1	1	1	1
All other diseases classified as infective and parasitic (090-099, 110-117)	2	1	1	1	1	1	1	1
Other parasitic, protozoal, and helminthic diseases (090-099, 110-117)	1,036	913	112	121	23	4	1	5
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	1,213	1,159	75	58	19	34	1	1
Breast and unpreserved neoplasms (210-239)	119	10	16	10	2	1	1	1
Colon and rectum (260)	119	40	6	16	7	10	1	1
Uterus (261-272)	28	25	1	2	1	1	1	1
Esophagus (273-274)	1,016	913	112	121	23	4	1	5
Hormone (275-276)	36	35	6	2	1	1	1	1
Rheumatic fever (400-402)	11	6	3	2	1	1	1	1
Chronic rheumatic and degenerative heart disease (403-416)	117	85	13	6	2	1	1	1
Arteriosclerosis (420-422)	2,704	1,183	122	79	18	50	18	1
Obstruction of heart (423-424)	304	24	26	8	5	1	1	1
Hypertension without mention of heart (425-427)	463	64	21	12	2	1	1	1
Inflammation of heart (428-430)	114	80	13	9	6	2	1	1
Pneumonia (430-433)	36	35	10	6	2	1	1	1
Bronchitis (500-529)	363	197	35	21	1	1	1	1
Breast (530-539)	177	111	2	1	1	1	1	1
Measles (540-551)	40	21	6	2	1	1	1	1
Inflammation of stomach and duodenum (540-542)	2,704	1,183	122	79	18	50	18	1
Inflammatory obstruction and peritonitis (560-561)	70	72	3	1	1	1	1	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (573, 574, 577)	48	48	5	8	2	1	1	1
Growth of liver (581)	83	23	3	1	1	1	1	1
Neuritis and peripheral (585-594)	208	175	11	12	2	1	1	1
Hysteria or hysteria (595)	108	11	1	1	1	1	1	1
Complications of pregnancy, childbirth and the puerperium (600-605, 670-689)	124	98	8	14	6	6	1	1
Birth injuries, postpartum apoplexy and tetany (606-609)	186	115	13	12	9	8	5	3
Inflammation of the brain (606-609)	9	17	7	11	5	3	1	1
Other diseases of the brain (606-609)	274	175	29	11	11	11	11	11
Seriously short duration of psychosis (611-617)	302	176	52	24	21	17	8	5
All other diseases (residual)	798	648	63	75	12	14	19	3
Motor vehicle accidents (830-835, 860-862)	388	123	20	6	11	2	3	1
All other accidents (830-835, 860-862)	551	20	13	6	6	3	1	1
Slender, tall, well-built, slender, tall, slender (830-835)	140	33	4	3	3	1	1	1
Handicapped, tall, slender, tall, slender (830-835)	65	12	4	2	1	1	1	1

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TABLE II. RESIDENT DEATHS BY IMPORTANT CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1949

(Continued)

Cause of Death	1 - 4 Years		5 - 9 Years		10 - 14 Years		15 - 19 Years	
	White	Negro	White	Negro	White	Negro	White	Negro
Total deaths, all causes ^a	162	109	22	11	20	19	89	62
Tuberculosis, other forms (001-009)	3	2	1	1	2	3	1	1
Syphilis and its sequelae (020-029)	1	1	1	1	1	1	1	1
Tuberculosis, other forms (010-019)	1	1	1	1	1	1	1	1
Syphilis and its sequelae (020-029)	1	1	1	1	1	1	1	1
Dysentery, all forms (042-049)	2	1	1	1	1	1	1	1
Saint's fever and streptococcal sore throat (050-057)	3	1	1	1	1	1	1	1
Bipolar disease (058)	1	1	1	1	1	1	1	1
Hantagonal infections (067)	2	2	1	1	1	1	1	1
Acute poliomyelitis (080)	13	6	1	1	1	1	1	1
Smallpox (084)	3	4	1	1	1	1	1	1
Pneumonia and other respiratory disease (100-109)	10	10	1	1	1	1	1	1
Measles (110-119)	1	1	1	1	1	1	1	1
All other diseases classified as infective and parasitic (090-099, 011-042, 044-047, 120-139)	5	2	1	1	1	1	1	1
Infective nephritis, including nephritis of glomeruli and hemopoietic tissue (140-149)	12	14	3	4	1	1	1	1
Infective and hematopoietic tumors (150-159)	14	3	1	1	1	1	1	1
Bronchitis and unspecified bronchitis (210-239)	1	1	1	1	1	1	1	1
Diabetes mellitus (260)	1	1	1	1	1	1	1	1
Vascular lesions affecting central nervous system (300-344)	2	2	1	1	1	1	1	1
Rheumatic fever (400-402)	1	1	1	1	1	1	1	1
Chronic rheumatic heart disease (400-416)	1	1	1	1	1	1	1	1
Arteriosclerotic and degenerative heart diseases (420-422)	1	1	1	1	1	1	1	1
Other diseases of heart (430-434)	1	1	1	1	1	1	1	1
Hypertension with heart disease (440-443)	1	1	1	1	1	1	1	1
Hypertension without mention of heart (440-443)	1	1	1	1	1	1	1	1
Inflammation of heart (450-452)	1	1	1	1	1	1	1	1
Bronchitis (500-502)	1	1	1	1	1	1	1	1
Ulcer of stomach and duodenum (520-542)	1	1	1	1	1	1	1	1
Appendicitis (550-555)	4	1	1	1	1	1	1	1
Infective, nutritional, and toxic enteritis and colitis, except diarrhea of the newborn (563-571, 572)	4	2	1	1	1	1	1	1
Gastritis or liver (581)	4	2	1	1	1	1	1	1
Hepatitis and nephritis (590-594)	4	2	1	1	1	1	1	1
Hyperplasia of prostate (610)	1	1	1	1	1	1	1	1
All other diseases (690-704)	11	7	1	1	1	1	1	1
Congenital malformations (700-759)	11	7	1	1	1	1	1	1
Birth injuries, potential asphyxia and atelectasis (760-762)	1	1	1	1	1	1	1	1
Infections of the newborn (763-768)	1	1	1	1	1	1	1	1
Other diseases peculiar to early infancy and immaturity, unqualified (769-770)	1	1	1	1	1	1	1	1
Seizing, violent motion of persons (780-787)	1	1	1	1	1	1	1	1
All other diseases (790-804)	13	9	2	2	1	1	1	1
Congenital malformations (790-829)	11	7	1	1	1	1	1	1
Birth injuries, potential asphyxia and atelectasis (760-762)	1	1	1	1	1	1	1	1
Infections of the newborn (763-768)	1	1	1	1	1	1	1	1
Other diseases peculiar to early infancy and immaturity, unqualified (769-770)	1	1	1	1	1	1	1	1
Seizing, violent motion of persons (780-787)	1	1	1	1	1	1	1	1
All other diseases (790-804)	1	1	1	1	1	1	1	1
Motor vehicle accidents (810-815)	15	19	1	1	1	1	1	1
All other accidents (820-842, 840-852)	39	24	6	1	1	1	1	1
Suicide and self-inflicted injury (853)	-	-	-	-	-	-	-	-
Battle and operations of war (854-855)	-	-	-	-	-	-	-	-
Battle and operations of war (856-857)	-	-	-	-	-	-	-	-

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Cause of Death	10 - 14 Years		15 - 19 Years		Indian	
	White	Negro	White	Negro	White	Negro
Total deaths, all causes ^a	76	43	14	7	2	3
Tuberculosis, other forms (001-009)	1	1	1	1	1	1
Syphilis and its sequelae (020-029)	1	1	1	1	1	1
Tuberculosis, other forms (010-019)	1	1	1	1	1	1
Syphilis and its sequelae (020-029)	1	1	1	1	1	1
Dysentery, all forms (042-049)	1	1	1	1	1	1
Saint's fever and streptococcal sore throat (050-057)	1	1	1	1	1	1
Bipolar disease (058)	2	1	1	1	1	1
Hantagonal infections (067)	1	1	1	1	1	1
Acute poliomyelitis (080)	9	11	6	2	1	1
Smallpox (084)	2	1	1	1	1	1
Pneumonia and other respiratory disease (100-109)	7	7	2	2	1	1
Measles (110-119)	3	2	1	1	1	1
All other diseases classified as infective and parasitic (090-099, 011-042, 044-047, 120-139)	1	1	1	1	1	1
Infective nephritis, including nephritis of glomeruli and hemopoietic tissue (140-149)	1	1	1	1	1	1
Infective and hematopoietic tumors (150-159)	3	2	1	1	1	1
Measles (110-119)	1	1	1	1	1	1
All other diseases classified as infective and parasitic (090-099, 011-042, 044-047, 120-139)	1	1	1	1	1	1
Vascular lesions affecting central nervous system (300-344)	1	1	1	1	1	1
Rheumatic fever (400-402)	1	1	1	1	1	1
Chronic rheumatic heart disease (400-416)	1	1	1	1	1	1
Arteriosclerotic and degenerative heart diseases (420-422)	1	1	1	1	1	1
Other diseases of heart (430-434)	1	1	1	1	1	1
Hypertension with heart disease (440-443)	1	1	1	1	1	1
Hypertension without mention of heart (440-443)	1	1	1	1	1	1
Inflammation of heart (450-452)	1	1	1	1	1	1
Bronchitis (500-502)	1	1	1	1	1	1
Ulcer of stomach and duodenum (520-542)	1	1	1	1	1	1
Appendicitis (550-555)	4	2	1	1	1	1
Infective, nutritional, and toxic enteritis and colitis, except diarrhea of the newborn (563-571, 572)	4	2	1	1	1	1
Gastritis or liver (581)	4	2	1	1	1	1
Hepatitis and nephritis (590-594)	4	2	1	1	1	1
Hyperplasia of prostate (610)	1	1	1	1	1	1
All other diseases (690-704)	1	1	1	1	1	1
Congenital malformations (700-759)	1	1	1	1	1	1
Birth injuries, potential asphyxia and atelectasis (760-762)	1	1	1	1	1	1
Infections of the newborn (763-768)	1	1	1	1	1	1
Other diseases peculiar to early infancy and immaturity, unqualified (769-770)	1	1	1	1	1	1
Seizing, violent motion of persons (780-787)	1	1	1	1	1	1
All other diseases (790-804)	1	1	1	1	1	1
Motor vehicle accidents (810-815)	15	19	1	1	1	1
All other accidents (820-842, 840-852)	39	24	6	1	1	1
Suicide and self-inflicted injury (853)	-	-	-	-	-	-
Battle and operations of war (854-855)	-	-	-	-	-	-
Battle and operations of war (856-857)	-	-	-	-	-	-

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TABLE II. RESIDENT DEATHS BY IMPORTANT CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1949
 (Continued)

Cause of Death	20 - 24 Years						25 - 34 Years					
	White		Negro		Indian		White		Negro		Indian	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total deaths, all causes*	•	•	•	•	•	•	171	74	18	15	8	6
Tuberculosis of respiratory system (001-049)	•	•	6	8	4	5	—	22	19	15	37	30
Tuberculosis, other forms (010-019)	•	•	1	—	1	2	—	22	1	1	6	7
Syphilis and its sequelae (020-029)	•	•	—	—	—	—	—	—	—	—	1	7
Typhoid fever (040) (045-048)	•	•	—	—	—	—	—	—	—	—	—	—
Diphtheria, scarlet fever and streptococcal sore throat	•	•	—	—	—	—	—	—	—	—	—	—
Whooping cough (050)	•	•	—	—	—	—	—	—	—	—	—	—
Meningoencephalitis (067)	•	•	—	—	—	—	—	—	—	—	—	—
Anute poliomyelitis (080)	•	•	6	2	—	—	—	—	—	—	—	—
Smallpox (094)	•	•	—	—	—	—	—	—	—	—	—	—
Measles (095)	•	•	—	—	—	—	—	—	—	—	—	—
Typhus and other rickettsial diseases (100-109)	•	•	—	—	—	—	—	—	—	—	—	—
Hansen's disease (101-104)	•	•	—	—	—	—	—	—	—	—	—	—
Malaria (110-117)	•	•	—	—	—	—	—	—	—	—	—	—
All other diseases classified as infective and parasitic (000-039, 011, 042-044, 049, 052-054, 059-071, 081-083, 086-096, 120-130)	•	•	2	—	—	—	—	2	2	3	1	—
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (110-205)	•	•	3	2	—	—	—	20	20	33	1	—
Benign and unspecified neoplasms (210-239)	•	•	1	—	2	—	—	1	1	2	2	—
Diabetes mellitus (240)	•	•	1	—	1	—	—	1	1	1	1	—
Asthma (250-259)	•	•	—	—	—	—	—	—	—	—	—	—
Angina pectoris and other diseases affecting central nervous system (260)	•	•	2	2	2	2	—	14	14	5	1	—
Nonmalignant neoplasms (260)	•	•	—	—	—	—	—	2	2	7	1	—
Rheumatic fever (400-402)	•	•	1	1	2	2	—	1	1	2	2	—
Chronic rheumatic heart disease (400-416)	•	•	3	3	1	1	—	9	9	2	1	—
Arteriosclerosis and degenerative heart disease (420-422)	•	•	1	1	2	2	—	1	1	1	1	—
Other diseases of heart (430-434)	•	•	2	1	2	1	—	2	2	1	1	—
Hypertension and other diseases of blood vessels (440-447)	•	•	2	1	2	1	—	2	2	1	1	—
Hypertension with heart mention (440-447)	•	•	—	—	—	—	—	—	—	—	—	—
Influenza (480-483)	•	•	—	—	—	—	—	—	—	—	—	—
Pneumonia (490-493)	•	•	—	—	—	—	—	—	—	—	—	—
Diarrhea of stomach and duodenum (540-542)	•	•	2	1	2	1	—	—	—	—	—	—
Appendicitis (550-552)	•	•	—	—	—	—	—	—	—	—	—	—
Intestinal obstruction and hemic (560-561, 590)	•	•	—	—	—	—	—	—	—	—	—	—
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 570, 572)	•	•	1	1	2	2	—	32	21	21	21	—
Gastritis or liver (581)	•	•	—	—	—	—	—	—	—	—	—	—
Hemorrhoids and hemorrhoids (590-594)	•	•	1	1	1	1	—	—	—	—	—	—
Hypertension or hypertension (600-604)	•	•	—	—	—	—	—	—	—	—	—	—
Complications of pregnancy, childbirth and the puerperium (660-682, 670-689)	•	•	11	3	—	—	—	12	1	3	1	—
Congenital malformations (700-799)	•	•	2	—	—	—	—	2	4	—	—	—
Birth injuries, postnatal asphyxia and tetanus (700-702)	•	•	—	—	—	—	—	—	—	—	—	—
Injuries of the brain (703-706)	•	•	—	—	—	—	—	—	—	—	—	—
Other diseases of the brain in early life (707-709)	•	•	—	—	—	—	—	—	—	—	—	—
Senility without mention of psychosis (711-713)	•	•	—	—	—	—	—	—	—	—	—	—
All other diseases (residual)	•	•	11	11	4	—	—	19	5	2	16	—
All other diseases (residual)	•	•	4	2	—	—	—	16	2	5	2	—
Neonatal and infant deaths (0-12 months)	•	•	—	—	—	—	—	—	—	—	—	—
Stillbirths and fetal deaths (13-27 weeks gestation)	•	•	45	10	3	—	—	56	14	5	2	2
Neonatal and infant deaths (0-12 months)	•	•	5	3	1	—	—	70	7	3	1	—
Stillbirths and fetal deaths (13-27 weeks gestation)	•	•	4	2	—	—	—	13	8	—	—	—
Neonatal and infant deaths (0-12 months)	•	•	—	—	—	—	—	10	3	1	1	—

TABLE II. RESIDENT DEATHS BY IMPORTANT CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1949
 (Continued)

Cause of Death	Cause of Death														
	35 - 44 Years			45 - 64 Years			45 - 64 Years			45 - 64 Years					
	Male	Female	Native	Male	Female	Indian	Male	Female	White	Male	Female	Native	Male	Female	Indian
Total deaths, all causes*	481	317	72	62	15	28	2,624	1,298	266	232	77	57			
Tuberculosis of respiratory system (001-008)	41	18	17	5	3	11	102	37	19	12	9	1			
Tuberculosis of other forms (009-010)	6	1	1	1	1	1	43	2	10	2	1	1			
Syphilis and its sequelae (020-023)															
Typical fever, all forms (042-049)															
Breast cancer, all forms (045-046)															
Stroke, ever and prepucoanal, sore throat															
Diarrhea (051)															
Whooping cough (056)															
Meningoencephalitis (057)															
Acute polyarthritis (059)															
Salpingitis (060)															
Tonsillitis and pharyngitis (061)															
Hepatitis (062)															
Measles (110-111)															
All other diseases classified as infectious and parasitic (090-099, 041-042, 046-047, 052-054, 059-074, 081-085, 086-096, 120-130)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (140-205)	98	99	5	6	1	3	385	424	27	33	3	19			
Benign and unspecified neoplasms (210-239)	5	9	1	4	1	1	21	14	3	9	2	3			
Abdominal malignant (240-249)	1	1	1	1	1	1	6	3	1	1	1	1			
Abdominal, except breast, affecting central nervous system (240-249)	1	1	1	1	1	1	1	1	1	1	1	1			
Nonmalignant abdominal benign (240-249)	9	17	2	8	2	2	174	161	42	42	7	2			
Rheumatic fever (400-402)	2	2	1	1	1	1	4	4	1	1	1	1			
Chronic rheumatic heart disease (40-416)	8	11	1	1	1	1	40	17	4	2	1	1			
Arteriosclerotic and degenerative heart disease (420-422)	73	25	6	3	4	1	932	202	33	20	15	1			
Other diseases of heart (423-434)	11	8	3	2	2	1	83	23	11	34	3	3			
Hypertension without mention of heart (440-447)	3	2	1	1	1	1	23	9	4	1	2	1			
Inflammation (480-483)	1	7	4	1	2	1	6	7	1	1	1	1			
Emphysema (490-493)	1	1	1	1	1	1	36	12	8	8	2	2			
Bronchitis (500-502)	1	7	4	1	2	1	23	9	4	1	2	1			
Appendicitis (550-551) and duodenitis (540-541), intestinal obstruction and hernia (560-561, 570-571)	13	5	1	1	1	1	25	6	5	2	1	1			
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	2	1	1	1	1	1	15	20	3	2	1	1			
Other diseases of liver (551-554)	12	12	12	4	6	1	11	35	8	12	1	1			
Hepatitis and jaundice (560-564)	1	1	1	1	1	1	11	32	13	16	2	2			
Hepatitis and jaundice (560-564)	1	1	1	1	1	1	1	1	1	1	1	1			
Complications of pregnancy, childbirth and the puerperium (600-624, 670-689)	2	20	1	5	1	1	3	1	1	1	1	1			
Congenital malformations (690-704)	1	2	1	1	1	1	6	4	2	1	1	1			
Birth injuries (690-702)	1	2	1	1	1	1	1	1	1	1	1	1			
Other diseases of heart (705-707)	1	1	1	1	1	1	1	1	1	1	1	1			
Other and immaturity unrelated to early infancy, and immaturity unqualified (760-770)	-	-	-	-	-	-	-	-	-	-	-	-			
Septicema without mention of pneumonia (780-795)	11	12	2	3	2	2	4	59	16	11	16	18	3	2	2
All other diseases (residual)	12	33	32	3	7	2	4	170	109	11	13	6	3	2	2
Motor vehicle accidents (800-809)	56	8	3	2	1	1	85	21	4	3	1	1			
All traffic accidents (800-809, 820-829, 850-862)	67	12	7	3	1	1	98	18	10	2	6	3			
Subacute and acute lead poisoning (863-870)	25	8	1	1	1	1	64	8	1	1	1	1			
Hospital care and operations of war (890-894, 895-897)	1	12	-	-	-	-	-	-	-	-	-	-			
Exposure to radiation (890-897)	15	-	-	-	-	-	-	-	-	-	-	-			

TABLE II. RESIDENT DEATHS BY IMPORTANT CAUSES, BY RACE, SEX, AND AGE, OKLAHOMA, 1945

TABLE III. LEADING CAUSES OF DEATH, NUMBER AND PER CENT, BY RACE, BY AGE GROUP, OKLAHOMA, 1944

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE

BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATES
BY COUNTY AND NUMBER BY COUNTY AND RACE. OKLAHOMA, 1949

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBERS AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

Estimated population, July 1, 1949	WHITE			BLACK			AMERICAN INDIAN		
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	
Live birth*	29,855	29,855	No. No.	No. No.					
Physician in hospital	625	21.9	No. No.	No. No.					
Physician in home	422	22.0	No. No.	No. No.					
Total deaths, all causes [†]	26	9.7	No. No.	No. No.					
Deaths under 1 year [‡]	20	9.7	No. No.	No. No.					
Deaths under 1 month [‡]	19	9.7	No. No.	No. No.					
Deaths under 1 year, physician in hospital	23	10.0	No. No.	No. No.					
Deaths under 1 month, physician in hospital	20	10.5	No. No.	No. No.					
Total deaths, all forms (0-5-0-08)	29	9.7	No. No.	No. No.					
Scarlet fever and streptococcal sore throat	—	—	No. No.	No. No.					
Phthisis (0-51)	—	—	No. No.	No. No.					
Hepatitis (0-11)	—	—	No. No.	No. No.					
Acute poliomyelitis (0-0)	—	—	No. No.	No. No.					
Smallpox (0-0)	—	—	No. No.	No. No.					
Measles (0-5)	—	—	No. No.	No. No.					
Typhus and other rickettsial diseases (10-0)	—	—	No. No.	No. No.					
All other diseases, including non-infective	120-389	42.9	No. No.	No. No.					
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	3	10.0	No. No.	No. No.					
Breast and unspecified neoplasms (210-299)	39	130.6	No. No.	No. No.					
Breast and unspecified neoplasms (210-299)	39	130.6	No. No.	No. No.					
Neoplasms affecting central nervous system (310-339)	1	3.3	No. No.	No. No.					
Rheumatic fever (400-402)	—	—	No. No.	No. No.					
Chronic rheumatic heart disease (410-416)	1	3.3	No. No.	No. No.					
Atherosclerotic and degenerative heart disease (420-422)	—	—	No. No.	No. No.					
Neoplasms of heart (450-452)	70	24.8	No. No.	No. No.					
Obstruction of heart (460-462)	70	24.8	No. No.	No. No.					
Hypertension without mention of heart (464-467)	7	9.0	No. No.	No. No.					
Infarction (480-483)	—	—	No. No.	No. No.					
Emphysema (500-502)	—	—	No. No.	No. No.					
Arthritis (500-502)	—	—	No. No.	No. No.					
Infective obstructive and renal (560-570)	1	3.3	No. No.	No. No.					
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543-570)	1	3.3	No. No.	No. No.					
Obstruction of胆管 (570-579)	—	—	No. No.	No. No.					
Obstruction of liver (580-589)	2	6.7	No. No.	No. No.					
Obstruction of gallbladder (580-589)	2	6.7	No. No.	No. No.					
Complications of pregnancy, childbirth and the puerperium (650-652, 670-689)	1	3.0	No. No.	No. No.					
Congenital malformations (750-759)	—	—	No. No.	No. No.					
Birth injuries, postnatal asphyxia and tetanus, except diarrhea of the newborn (760-762)	1	2.0	No. No.	No. No.					
Obstruction of胆管 (760-762)	1	2.0	No. No.	No. No.					
Obstruction of liver (760-762)	2	6.7	No. No.	No. No.					
Obstruction of gallbladder (760-762)	2	6.7	No. No.	No. No.					
Skin and subcutaneous tissue (770-779)	26	8	No. No.	No. No.					
Definite and unknown causes (780-795)	23	77.0	No. No.	No. No.					
All other diseases (residual)	29	97.1	No. No.	No. No.					
Motor vehicle accidents (800-803)	8	26.8	No. No.	No. No.					
All other accidents (800-802, 840-842)	9	30.1	No. No.	No. No.					
Suicide and self-inflicted injury (850-853)	2	6.7	No. No.	No. No.					
Homicide and personal injuries (854-856)	—	—	No. No.	No. No.					
Burns (890-899)	—	—	No. No.	No. No.					

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBERS AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

Estimated population, July 1, 1949	CHASER			CHEROKEE			CREEK		
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	
Live birth*	29,855	29,855	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Physician in hospital	625	21.9	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Physician in home	422	22.0	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Total deaths, all causes [†]	26	9.7	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Deaths under 1 year [‡]	20	9.7	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Deaths under 1 month [‡]	19	9.7	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Deaths under 1 year, physician in hospital	23	10.0	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Deaths under 1 month, physician in hospital	20	10.5	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Total deaths, all forms (0-5-0-08)	29	9.7	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Symbolic and its sequelae (010-029)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Symbolic fever (010)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Scrotal fever and streptococcal sore throat	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Phthisis (051)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Hepatitis (011)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Acute poliomyelitis (0-0)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Smallpox (0-0)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Measles (0-5)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Typhus and other rickettsial diseases (10-0)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
All other diseases, including non-infective	120-389	42.9	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	3	10.0	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Breast and unspecified neoplasms (210-299)	39	130.6	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Breast and unspecified neoplasms (210-299)	39	130.6	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Neoplasms affecting central nervous system (310-339)	1	3.3	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Rheumatic fever (400-402)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Chronic rheumatic heart disease (410-416)	1	3.3	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Atherosclerotic and degenerative heart disease (420-422)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Neoplasms of heart (450-452)	70	24.8	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Obstruction of heart (460-462)	70	24.8	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Hypertension without mention of heart (464-467)	7	9.0	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Infarction (480-483)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Emphysema (500-502)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Arthritis (500-502)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Infective obstructive and renal (560-570)	1	3.3	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543-570)	1	3.3	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Obstruction of胆管 (570-579)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Obstruction of liver (580-589)	2	6.7	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Obstruction of gallbladder (580-589)	2	6.7	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Complications of pregnancy, childbirth and the puerperium (650-652, 670-689)	1	3.0	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Congenital malformations (750-759)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Birth injuries, postnatal asphyxia and tetanus, except diarrhea of the newborn (760-762)	1	2.0	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Obstruction of胆管 (760-762)	1	2.0	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Obstruction of liver (760-762)	2	6.7	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Obstruction of gallbladder (760-762)	2	6.7	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Skin and subcutaneous tissue (770-779)	26	8	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Definite and unknown causes (780-795)	23	77.0	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
All other diseases (residual)	29	97.1	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Motor vehicle accidents (800-803)	8	26.8	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
All other accidents (800-802, 840-842)	9	30.1	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Suicide and self-inflicted injury (850-853)	2	6.7	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Homicide and personal injuries (854-856)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	
Burns (890-899)	—	—	No. No.	No. No.	No. No.	No. No.	No. No.	No. No.	

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949

(Continued)

	CHAMBERS				CLOUD			
	Total	Non	Total	Non	Total	Non	Total	Non
Estimated population, July 1, 1949	4,498	No.	No.	No.	No.	No.	No.	No.
	Age	Male	Age	Male	Age	Male	Age	Male
Live births*	138	118	961	840	992	811	158	145
Physician in hospital	66	52	963	893	903	755	90	84
Midwife, other, or unknown	52	42	42	42	42	42	3	3
Stillbirth	1	1	1	1	1	1	1	1
Physician in hospital	1	1	1	1	1	1	1	1
Physician in home or unknown	1	1	1	1	1	1	1	1
Total deaths, all causes	29	29	191	148	191	176	65	10
Deaths under 1 year [†]	1	1	21	19	21	20	1	1
Deaths under 1 month [‡]	1	1	12	10	12	11	1	1
Infarctions of respiratory system (001-008)	3	2	19.8	19	22.7	21	7	7
Otitis media, other forms (010-019)	2	2	12.5	5	25.3	9	2	2
Spills and foreign bodies (020-029)	2	1	2.5	1	2.4	2	1	1
Diphtheria (030)	1	1	5.0	2	5.0	2	1	1
Scarlet fever and streptococcal sore throat (050-059)	2	2	2	2	2	2	1	1
Diphtheria (055)	1	1	2.5	2	2.5	2	1	1
Mumps (060)	1	1	2	2	2	2	1	1
Benign neoplasms (060-094), 069-076, 081-087, 088-095, 097-099	1	1	1	1	1	1	1	1
Hemorrhoids	1	1	1	1	1	1	1	1
Neonatal tetanus	1	1	1	1	1	1	1	1
Tympan and other skeletal diseases (100-109)	1	1	1	1	1	1	1	1
Varicella (100-109) affecting central nervous system	1	1	1	1	1	1	1	1
Inflammatory conditions (100-109)	1	1	1	1	1	1	1	1
Leukemia and lymphosarcoma of lymphatic and hematopoietic tissues (110-125)	4	4	22	22	22	22	1	1
Benign and unspecified neoplasms (210-239)	1	1	1	1	1	1	1	1
Diabetes mellitus (240)	2	2	4	4	4	4	1	1
Anthrax (240-249)	1	1	2.5	2	2.5	2	1	1
Wuchereria bancrofti (240-249) affecting central nervous system	1	1	2	2	2	2	1	1
Rheumatic fever (400-402)	1	1	22.3	2	22.5	2	10	4
Chronic rheumatic heart disease (400-416)	3	3	22	22	14	14	7	7
Arteriosclerotic and degenerative heart disease (420-422)	66.8	3	2.5	1	3.6	3	1	1
Other diseases of heart (430-434)	3	3	33	33	13	13	6	6
Hyperension with heart disease (440-443)	1	1	2.5	1	2.4	2	1	1
Hyperension without mention of heart (444-447)	1	1	2	2	2	2	1	1
Influenza (480-489)	1	1	22.3	1	2.5	1	1	1
Pneumonia (490-509)	3	3	7.5	3	3.6	3	1	1
Bronchitis (500-502)	1	1	2.5	1	2.5	1	1	1
Ulcer of stomach and duodenum (540-541)	1	1	2.5	1	2.5	1	1	1
Aperistalsis (550-553)	1	1	2.5	1	2.5	1	1	1
Appendicitis (560-569) causing obstruction and hernia (569-570)	1	1	2.5	1	2.4	1	1	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543-571, 572)	1	1	2	2	2	2	1	1
Cirrhosis of liver (581)	2	2	1.2	1	1.2	1	1	1
Nephritis and nephrosis (590-594)	2	2	4.4	4	4.4	4	1	1
Constrictions of bronchi (600-604)	1	1	7.5	3	3.6	3	1	1
Complications of pregnancy, childbirth and the puerperium (600-652, 670-689)	1	1	10.0	4	10.0	4	1	1
Congenital malformations (750-769)	1	1	4	4	4	4	1	1
Birth injuries, postnatal asphyxia and asphyxia (760-762)	1	1	10.0	4	10.0	4	1	1
Inflammation of the newborn (760-762)	1	1	1	1	1	1	1	1
Other diseases peculiar to early infancy	1	1	1	1	1	1	1	1
Severe convulsions due to pyrexia (770-779)	1	1	1	1	1	1	1	1
All other diseases (Residual)	5	5	11.4	5	12.5	5	12.0	5
Motor vehicle accidents (880-882, 880-883)	2	2	4.6	2	4.6	2	4.8	2
All other accidents (880-882, 880-883)	2	2	4.6	2	4.6	2	4.8	2
Suicide and self-inflicted injury (880-889)	1	1	2.5	1	2.5	1	2.4	1
Homicide and operations of war (890-895)	1	1	22.3	1	2.5	1	2.4	1
Hostile acts (890-895)	1	1	2.5	1	2.5	1	2.4	1

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	COKER				COKE			
	Total	Rate	Total	Rate	Total	Rate	Total	Rate
Estimated population, July 1, 1949	54,493	No.	10,440	No.	18,526	No.	10,440	No.
	Age	Male	Age	Male	Age	Male	Age	Male
Live births*	1291	1079	95	97	231	221	9	17
Physician in hospital	1111	983	91	97	198	195	9	17
Physician in home or unknown	222	188	49	57	47	48	4	9
Midwife, other, or unknown	16	16	16	16	1	1	1	1
Stillbirth	20	20	4	4	1	1	1	1
Physician in hospital	16	16	4	4	1	1	1	1
Physician in home or unknown	1	1	1	1	1	1	1	1
Total deaths, all causes	314	5.8	267	2.1	85	8.1	10	1.9
Deaths under 1 year [†]	44	3.1	34	2.7	14	6.6	7	1.3
Deaths under 1 month [‡]	24	3	20	2.2	10	4.5	2	0.4
Infarctions of respiratory system (001-008)	11.0	3	11.0	3	5.4	2.1	5.4	1.1
Otitis media, other forms (010-019)	3	1	3	1	1	1	1	1
Spills and foreign bodies (020-029)	3	1	3	1	1	1	1	1
Dysentry, all forms (041-048)	1	1	1	1	1	1	1	1
Scarlet fever and streptococcal sore throat	1	1	1	1	1	1	1	1
Syphilis (050-059)	1	1	1	1	1	1	1	1
Measles (055)	1	1	1	1	1	1	1	1
Typhus and other rickettsial diseases (100-109)	1	1	1	1	1	1	1	1
Varicella (100-109) affecting central nervous system	1	1	1	1	1	1	1	1
All other diseases, including neoplasms (100-109)	0.9	0.6	0.9	0.7	0.8	0.6	0.7	0.6
All other diseases, including neoplasms of lymphatic and hematopoietic tissues (110-119)	1.8	1	1.8	1	1.9	1	1.9	1
Leukemia and lymphosarcoma of lymphatic and hematopoietic tissues (110-119)	1.8	1	1.8	1	1.9	1	1.9	1
Benign and unspecified neoplasms (210-239)	40	7.4	35	5	12.5	1.3	12.5	1.3
Diabetes mellitus (240)	5	5.5	2	2	2	2	2	2
Vascular lesions (240-249)	48	49.6	23	2	6	59.5	6	59.5
Neointimal neoplasia (300)	1	1.8	1	1	1	1	1	1
Chronic rheumatic heart disease (400-416)	4	7.3	4	7.3	4	7.3	4	7.3
Arteriosclerotic and degenerative heart disease (420-422)	66	12.0	63	2	14	24.4	2	24.4
Other diseases of heart (430-434)	1	1.2	1	1.2	1	1.2	1	1.2
Hyperension with heart disease (440-443)	14	25.7	13	1	1	1	14	25.7
Hyperension without mention of heart (444-447)	2	3.4	2	2	1	5.4	1	5.4
Influenza (480-489)	3	5.4	2	2	1	5.4	1	5.4
Pneumonia (490-509)	10	18.4	8	8	1	27.0	5	27.0
Bronchitis (500-502)	1	1.2	1	1.2	1	1.2	1	1.2
Ulcer of stomach, duodenum (540-541)	1	1.8	1	1.8	1	1.8	1	1.8
Appendicitis (550-553)	1	1.8	1	1.8	1	1.8	1	1.8
Aberrant uterine tube (560-569)	1	1.2	1	1.2	1	1.2	1	1.2
Intestinal obstruction and hernia (560-569)	1	1.8	1	1.8	1	1.8	1	1.8
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543-571, 572)	1	1.2	1	1.2	1	1.2	1	1.2
Cirrhosis of liver (581)	6	11.0	1	2	3	1	1	1
Nephritis and nephrosis (590-594)	5	5.5	3	3	3	16.2	3	16.2
Complications of pregnancy, childbirth and the puerperium (600-652, 670-689)	1	1.8	1	1.8	1	1.8	1	1.8
Congenital malformations (750-769)	5	0.8	5	5	4	6.4	4	6.4
Birth injuries, postnatal asphyxia and asphyxia (760-762)	15	27.5	15	2	4	21.6	4	21.6
Inflammation of the newborn (760-762)	5	5.5	2	2	1	2	1	2
Other diseases peculiar to early infancy	1	1	1	1	1	1	1	1
Severe convulsions due to pyrexia (770-779)	11	27.5	11	2	5	47.9	5	47.9
All other diseases (Residual)	5	11.4	5	12.5	1	9.6	1	9.6
Motor vehicle accidents (880-882, 880-883)	12	30.0	12	15.0	1	18.7	9	18.7
All other accidents (880-882, 880-883)	20	35.0	20	10	1	38.3	4	38.3
Birth injuries, postnatal asphyxia and asphyxia (880-882, 880-883)	17	42.5	17	4.8	4	47.9	2	47.9
Suicide and self-inflicted injury (880-889)	2	4.6	2	4.6	1	3.6	1	3.6
Homicide and operations of war (890-895)	5	9.2	5	5	1	29.2	2	29.2
Hostile acts (890-895)	4	7.3	3	1	4	21.6	3	21.6

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TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES; NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

Estimated population, July 1, 1949	WHITE			BLACK			WHITE			BLACK			DEMENTIA		
	Total	Race	No.	Total	Race	No.	Total	Race	No.	Total	Race	No.	Total	Race	No.
All	44,315	White	No.	21,263	White	No.	15,122	White	No.	1,780	White	No.	1,118	White	No.
Male	22,158	White	No.	10,903	White	No.	8,520	White	No.	949	White	No.	604	White	No.
Female	22,157	White	No.	10,360	White	No.	6,602	White	No.	831	White	No.	514	White	No.
Live births*	9,772	21.9	917	11.3	42	395	21.1	412	17	20	282	18.6	209	-	73
Physician in hospital	973	21.9	550	26	37	362	21.1	14	19	164	18.6	115	-	49	
Physician in home or unknown	194	1.1	158	31	5	32	1.1	49	2	1	18	1.1	10	-	10
Physician in other	65	1.1	62	12	1	8	1.1	49	2	1	18	1.1	10	-	10
Physician in home	334	1.1	326	12	1	7	1.1	49	2	1	18	1.1	10	-	10
Physician in other or unknown	3	1.1	2	1	1	1	1.1	49	2	1	18	1.1	10	-	10
Miscellaneous	7	1.1	1	1	1	1	1.1	49	2	1	18	1.1	10	-	10
Total deaths, all causes	459	10.4	389	62	8	202	9.5	183	10	9	152	10.1	129	-	23
Deaths under 1 year	33	28	4	20	18.5	18	16	2	2	16	16	15	7	-	4
Deaths under 1 month	19	19.5	16	16	1	8	16	16	1	6	28.4	5	4	-	3
Infectious, parasitic, and venereal diseases of respiratory system (001-069)	17	38.4	12	5	1	17	4.7	16	1	6	39.7	2	4	-	2
Spillings fever (001-069)	2	4.3	2	1	1	1	-	-	-	-	-	-	-	-	-
Typeboid fever (001-069)	2	4.3	2	1	1	1	-	-	-	-	-	-	-	-	-
Scarlet fever and streptococcal sore throat	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria (055)	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Hepatitis (056)	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Acute purpura fulminans (060)	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Measles (084)	1	2.3	1	-	-	-	-	-	-	-	-	-	-	-	-
Malaria (110-117)	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
All other diseases classified as infective and/or parasitic (090-099, 041-042, 044-045, 050-054, 059-064, 061-065, 068-076)	2	4.5	2	-	-	-	-	-	-	-	-	-	-	-	-
Inflammatory neoplasms, including neoplasms of lymphatic and hematopoietic tissue	53	119.6	49	3	2	24	11.2	21	1	2	21	38.9	19	-	2
Bronchitis and unspecified neoplasms (201-239)	4	9.0	1	3	1	1	1	1	1	1	6.6	1	1	-	1
Diabetes mellitus (260)	12	27.1	12	1	1	5	23.5	2	3	1	12.2	1	1	-	1
Varicella (270-279)	12	27.1	12	1	1	4.7	1	1	1	6.6	1	1	-	1	
All other diseases affecting central nervous system (301-340)	57	28.6	50	20	2	1	12	79.4	12	12	79.4	12	12	-	12
Neononcrotic meningitis (340)	1	2.3	1	1	1	1	1	1	1	1	23.5	1	1	-	1
Chronic rheumatic heart disease (400-406)	1	2.3	1	1	1	1	1	1	1	1	47	1	1	-	1
Atherosclerosis and degenerative heart disease (407-420)	103	205.7	89	20	2	47	22.0	45	2	1	41	27.1	38	-	3
Arteriosclerosis (421-429)	13	20.7	11	5	2	12	14.4	11	2	12	14.4	11	12	-	12
Hypertension with heart disease (420-429)	40	46.6	12	12	1	12	56.4	11	1	12	56.4	11	12	-	12
Hypertension without mention of heart disease (444-447)	4	9.0	4	1	1	2	9.4	2	1	2	9.4	2	2	-	2
Influenza (480-489)	2	4.5	2	1	1	1	1	1	1	1	28.2	4	4	-	4
Pneumonia (490-512)	20	45.1	17	3	1	6	28.2	4	1	6	28.2	4	4	-	4
Bronchitis (500-512)	1	2.3	1	1	1	1	1	1	1	1	23.5	1	1	-	1
Complications of pneumonia, ophthalmic and genitourinary	3	11.3	3	1	1	1	1	1	1	1	11.0	1	1	-	1
Intracranial obstruction and hernia (560-570)	4	9.0	4	1	1	3	14.1	3	1	1	6.6	1	1	-	1
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (543, 571, 572)	1	2.3	1	1	1	1	1	1	1	1	2.3	1	1	-	1
Cirrhosis of liver (560-561)	4	9.0	3	2	1	1	1	1	1	1	59.5	7	7	-	7
Hepatitis and nephritis (560-561)	6	13.5	12	2	1	2	9.4	2	1	1	6.6	1	1	-	1
Complications of nephritis, ophthalmic and genitourinary	3	11.3	3	1	1	1	1	1	1	1	11.0	1	1	-	1
The purpuras (600-652, 670-689)	7	15.8	5	2	1	3	14.1	3	1	1	3.5	1	1	-	1
Birth injuries, perinatal asphyxia and asphyxia (660-662)	11	23.5	11	1	1	1	1	1	1	1	17.8	15	15	-	15
All other conditions (680-702, 705-706)	18	40.6	18	4	1	1	1	1	1	1	10.0	12	12	-	12
Spinal and peripheral nerve diseases (707-712)	6	13.5	5	1	1	1	1	1	1	1	40.4	3	3	-	3
Hemorrhage and operations of heart (785-786)	1	2.3	1	1	1	1	1	1	1	1	10.7	2	2	-	2
Spinal and peripheral nerve diseases (787-792)	1	2.3	1	1	1	1	1	1	1	1	27.0	3	3	-	3
Operations of heart (793-794)	1	2.3	1	1	1	1	1	1	1	1	27.0	3	3	-	3
Spinal and peripheral nerve diseases (795-796)	1	2.3	1	1	1	1	1	1	1	1	27.0	3	3	-	3
Spinal and peripheral nerve diseases (797-798)	1	2.3	1	1	1	1	1	1	1	1	27.0	3	3	-	3
Spinal and peripheral nerve diseases (799-800)	1	2.3	1	1	1	1	1	1	1	1	27.0	3	3	-	3

Estimated population, July 1, 1949	WHITE			BLACK			WHITE			BLACK			MELAS			GANGRED		
	Total	Race	No.	Total	Race	No.												
All	9,100	White	No.	7,420	White	No.	5,209	White	No.	5,209	White	No.	1,118	White	No.	1,118	White	No.
Male	4,550	White	No.	3,678	White	No.	2,729	White	No.	2,729	White	No.	584	White	No.	584	White	No.
Female	4,550	White	No.	3,742	White	No.	2,479	White	No.	2,479	White	No.	534	White	No.	534	White	No.
Physician in hospital	1,159	1.1	1	1,080	1.1	1	1,036	1.1	1	1,036	1.1	1	116	1.1	1	116	1.1	1
Physician in home	1,159	1.1	1	1,080	1.1	1	1,036	1.1	1	1,036	1.1	1	116	1.1	1	116	1.1	1
Physician in other	1,159	1.1	1	1,080	1.1	1	1,036	1.1	1	1,036	1.1	1	116	1.1	1	116	1.1	1
Physician in hospital, home, and other	1,159	1.1	1	1,080	1.1	1	1,036	1.1	1	1,036	1.1	1	116	1.1	1	116	1.1	1
Total deaths, all causes	86	9.5	85	86	9.5	85	86	9.5	85	86	9.5	85	86	9.5	85	86	9.5	85
Deaths under 1 year	3	37.8	3	3	37.8	3	3	37.8	3	3	37.8	3	3	37.8	3	3	37.8	3
Infectious, parasitic, and venereal diseases of respiratory system (001-069)	22.0	2	21	22.0	2	21	22.0	2	21	22.0	2	21	22.0	2	21	22.0	2	21
Tuberculosis of respiratory system (010-019)	15	164.8	15	15	164.8	15	15	164.8	15	15	164.8	15	15	164.8	15	15	164.8	15
Chronic pulmonary heart disease (400-416)	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1
Diabetes mellitus (260-269)	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1
Varicella (270-279)	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1
Neononcrotic meningitis (340)	1	87.9	8	1	87.9	8	1	87.9	8	1	87.9	8	1	87.9	8	1	87.9	8
Neononcrotic meningitis (340)	1	12.1	1	1	12.1	1	1	12.1	1	1	12.1	1	1	12.1	1	1	12.1	1
Chronic pulmonary heart disease (400-406)	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1
Diabetes mellitus (260-269)	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1
Varicella (270-279)	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1	1	11.0	1
Influenza (480-489)	1	22.0	2	1	22.0	2	1	22.0	2	1	22.0	2	1	22.0	2	1	22.0	2
Bronchitis (500-502)	1	22.0	2	1	22.0	2	1	22.0	2	1	22.0	2	1	22.0	2	1	22.0	2
Ulcer of stomach and duodenum (440-442)	1	22.0	2	1	22.0	2	1	22.0	2	1	22.0	2	1	22.0	2	1	22.0	2
Appendicitis (450-455)	1	22.0	2	1	22.0	2	1	22.0	2	1	22.0	2	1	22.0	2	1	22.0	2
Inflammation of colon, rectum, and anus (460-462)	1	22.0	2	1	22.0	2	1	22.0	2	1	22.0	2	1	22.0	2	1	22.0	2
Peritonitis and peritonitis, abdominal (460-462)	1	22.0	2	1	22.0	2	1											

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

TABLE IV.
RESIDENT BIRTHS, DEATHS, AND DEATH RATE BY IMPORTANT CAUSES, NUMBER AND RATE BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949

(continued)

Estimated population, July 1, 1949	KODAKER			KODAK			LANTHER		
	Total	Race	No.	Total	Race	No.	Total	Race	No.
	No.	Race	No.	No.	Race	No.	No.	Race	No.
Live birth*	205	18.6	228	14	3	62	21.9	373	25
Physician in hospital	207	23.3	2	2	372	31.9	373	24	174
Physician in home	3	3	15	1	50	33	43	7	101
Hospital, other, or unknown	24.5	5	1	1	14.2	5	1	3	17.2
Physician in hospital	6	4.4	5	1	5.4	4	1	3	4.4
Physician in home	25	5	1	1	1.1	1	1	3	3.3
Hospital, other, or unknown	1	1	1	1	1.1	1	1	1	1
Birth under 1 year f	107	8.1	91	11	2	179	8.3	172	6
Deaths under 1 year f	6	24.5	5	1	28.4	18.0	8	2	17.2
Tuberculosis of respiratory system (010-018)	1	1	1	1	10.4	1	1	1	11.5
Syphilis and its sequelae (020-029)	1	1	1	1	5.2	1	1	1	9.7
Physical fever (040)	1	1	1	1	5.2	1	1	1	5.2
Spontaneous, all forms (045-048)	1	1	1	1	2.8	1	1	1	2.8
Stomatitis, all types (051-052)	1	1	1	1	1.1	1	1	1	1.1
Diphtheria (055)	1	1	1	1	1.1	1	1	1	1.1
Meningoencephalitis (057)	1	1	1	1	1.1	1	1	1	1.1
Acute polyarthritis (060)	1	1	1	1	1.1	1	1	1	1.1
Arthritis (061)	1	1	1	1	1.1	1	1	1	1.1
Other nonrheumatic diseases (060-069)	1	1	1	1	1.1	1	1	1	1.1
All other diseases classified as infective and parasitic (000-099, 041-042, 044-046, 049, 052-054, 069-071, 081-083, 085-086)	1	1	1	1	1.1	1	1	1	1.1
All other diseases classified as infective and parasitic (000-099, 041-042, 044-046, 049, 052-054, 069-071, 081-083, 085-086)	1	1	1	1	1.1	1	1	1	1.1
Benign and unspecified neoplasms (200-299)	1	7.6	1	1	10.4	2	1	1	10.3
Diabetes mellitus (260)	1	7.6	1	1	10.4	2	1	1	10.3
Vascular lesions affecting central nervous system (320-334)	13	98.9	12	1	11.5	20	11	1	15.1
Cardiac disease (340-349)	1	1	1	1	1.1	1	1	1	1.1
Chronic renal and hepatic disease (410-416)	1	7.6	1	1	1.1	1	1	1	1.1
Arteriosclerosis and degenerative heart disease (420-429)	27	159.3	14	3	22	14.0	20	2	10.3
Other diseases of heart (320-349)	8	15.2	6	1	1.1	1	1	1	1.1
Hypertension without mention of heart (400-443)	2	15.2	1	1	1.1	1	1	1	1.1
Heart disease of the newborn (420-429)	5	38.0	4	1	1.1	1	1	1	1.1
Pneumonia (390-439)	1	1	1	1	1.1	1	1	1	1.1
Bronchitis and bronchiitis (390-439)	1	1	1	1	1.1	1	1	1	1.1
Ulcers of stomach and duodenum (500-511)	1	7.6	1	1	1.1	1	1	1	1.1
Appendicitis (550-559)	1	1	1	1	1.1	1	1	1	1.1
Intraabdominal obstruction and hernia (560-569)	1	1	1	1	1.1	1	1	1	1.1
Hemorrhoids (570-579)	1	1	1	1	1.1	1	1	1	1.1
Hepatitis, acute, diarrhea of the newborn (540-579)	1	1	1	1	1.1	1	1	1	1.1
Other diseases of liver (360-389)	1	1	1	1	1.1	1	1	1	1.1
Gastritis and nephritis (390-429)	1	1	1	1	1.1	1	1	1	1.1
Hypertension without mention of heart (400-443)	1	1	1	1	1.1	1	1	1	1.1
Arteriosclerosis and degenerative heart disease (420-429)	27	159.3	26	1	1.1	1	1	1	1.1
Other diseases of heart (320-349)	8	15.2	6	1	1.1	1	1	1	1.1
Hypertension without mention of heart (400-443)	2	15.2	1	1	1.1	1	1	1	1.1
Heart disease of the newborn (420-429)	5	38.0	4	1	1.1	1	1	1	1.1
Pneumonia (390-439)	1	1	1	1	1.1	1	1	1	1.1
Bronchitis and bronchiitis (390-439)	1	1	1	1	1.1	1	1	1	1.1
Ulcers of stomach and duodenum (500-511)	1	7.6	1	1	1.1	1	1	1	1.1
Appendicitis (550-559)	1	1	1	1	1.1	1	1	1	1.1
Intraabdominal obstruction and hernia (560-569)	1	1	1	1	1.1	1	1	1	1.1
Hemorrhoids (570-579)	1	1	1	1	1.1	1	1	1	1.1
Other diseases of liver (360-389)	1	1	1	1	1.1	1	1	1	1.1
Gastritis and nephritis (390-429)	1	1	1	1	1.1	1	1	1	1.1
Hypertension without mention of heart (400-443)	1	1	1	1	1.1	1	1	1	1.1
Arteriosclerosis and degenerative heart disease (420-429)	27	159.3	26	1	1.1	1	1	1	1.1
Other diseases of heart (320-349)	8	15.2	6	1	1.1	1	1	1	1.1
Hypertension without mention of heart (400-443)	2	15.2	1	1	1.1	1	1	1	1.1
Heart disease of the newborn (420-429)	5	38.0	4	1	1.1	1	1	1	1.1
Pneumonia (390-439)	1	1	1	1	1.1	1	1	1	1.1
Bronchitis and bronchiitis (390-439)	1	1	1	1	1.1	1	1	1	1.1
Ulcers of stomach and duodenum (500-511)	1	7.6	1	1	1.1	1	1	1	1.1
Appendicitis (550-559)	1	1	1	1	1.1	1	1	1	1.1
Intraabdominal obstruction and hernia (560-569)	1	1	1	1	1.1	1	1	1	1.1
Hemorrhoids (570-579)	1	1	1	1	1.1	1	1	1	1.1
Other diseases of liver (360-389)	1	1	1	1	1.1	1	1	1	1.1
Gastritis and nephritis (390-429)	1	1	1	1	1.1	1	1	1	1.1
Hypertension without mention of heart (400-443)	1	1	1	1	1.1	1	1	1	1.1
Arteriosclerosis and degenerative heart disease (420-429)	27	159.3	26	1	1.1	1	1	1	1.1
Other diseases of heart (320-349)	8	15.2	6	1	1.1	1	1	1	1.1
Hypertension without mention of heart (400-443)	2	15.2	1	1	1.1	1	1	1	1.1
Heart disease of the newborn (420-429)	5	38.0	4	1	1.1	1	1	1	1.1
Pneumonia (390-439)	1	1	1	1	1.1	1	1	1	1.1
Bronchitis and bronchiitis (390-439)	1	1	1	1	1.1	1	1	1	1.1
Ulcers of stomach and duodenum (500-511)	1	7.6	1	1	1.1	1	1	1	1.1
Appendicitis (550-559)	1	1	1	1	1.1	1	1	1	1.1
Intraabdominal obstruction and hernia (560-569)	1	1	1	1	1.1	1	1	1	1.1
Hemorrhoids (570-579)	1	1	1	1	1.1	1	1	1	1.1
Other diseases of liver (360-389)	1	1	1	1	1.1	1	1	1	1.1
Gastritis and nephritis (390-429)	1	1	1	1	1.1	1	1	1	1.1
Hypertension without mention of heart (400-443)	1	1	1	1	1.1	1	1	1	1.1
Arteriosclerosis and degenerative heart disease (420-429)	27	159.3	26	1	1.1	1	1	1	1.1
Other diseases of heart (320-349)	8	15.2	6	1	1.1	1	1	1	1.1
Hypertension without mention of heart (400-443)	2	15.2	1	1	1.1	1	1	1	1.1
Heart disease of the newborn (420-429)	5	38.0	4	1	1.1	1	1	1	1.1
Pneumonia (390-439)	1	1	1	1	1.1	1	1	1	1.1
Bronchitis and bronchiitis (390-439)	1	1	1	1	1.1	1	1	1	1.1
Ulcers of stomach and duodenum (500-511)	1	7.6	1	1	1.1	1	1	1	1.1
Appendicitis (550-559)	1	1	1	1	1.1	1	1	1	1.1
Intraabdominal obstruction and hernia (560-569)	1	1	1	1	1.1	1	1	1	1.1
Hemorrhoids (570-579)	1	1	1	1	1.1	1	1	1	1.1
Other diseases of liver (360-389)	1	1	1	1	1.1	1	1	1	1.1
Gastritis and nephritis (390-429)	1	1	1	1	1.1	1	1	1	1.1
Hypertension without mention of heart (400-443)	1	1	1	1	1.1	1	1	1	1.1
Arteriosclerosis and degenerative heart disease (420-429)	27	159.3	26	1	1.1	1	1	1	1.1
Other diseases of heart (320-349)	8	15.2	6	1	1.1	1	1	1	1.1
Hypertension without mention of heart (400-443)	2	15.2	1	1	1.1	1	1	1	1.1
Heart disease of the newborn (420-429)	5	38.0	4	1	1.1	1	1	1	1.1
Pneumonia (390-439)	1	1	1	1	1.1	1	1	1	1.1
Bronchitis and bronchiitis (390-439)	1	1	1	1	1.1	1	1	1	1.1
Ulcers of stomach and duodenum (500-511)	1	7.6	1	1	1.1	1	1	1	1.1
Appendicitis (550-559)	1	1	1	1	1.1	1	1	1	1.1
Intraabdominal obstruction and hernia (560-569)	1	1	1	1	1.1	1	1	1	1.1
Hemorrhoids (570-579)	1	1	1	1	1.1	1	1	1	1.1
Other diseases of liver (360-389)	1	1	1	1	1.1	1	1	1	1.1
Gastritis and nephritis (390-429)	1	1	1	1	1.1	1	1	1	1.1
Hypertension without mention of heart (400-443)	1	1	1	1	1.1	1	1	1	1.1
Arteriosclerosis and degenerative heart disease (420-429)	27	159.3	26	1	1.1	1	1	1	1.1
Other diseases of heart (320-349)	8	15.2	6	1	1.1	1	1	1	1.1
Hypertension without mention of heart (400-443)	2	15.2	1	1	1.1	1	1	1	1.1
Heart disease of the newborn (420-429)	5	38.0	4	1	1.1	1	1	1	1.1
Pneumonia (390-439)	1	1	1	1	1.1	1	1	1	1.1
Bronchitis and bronchiitis (390-439)	1	1	1	1	1.1	1	1	1	1.1
Ulcers of stomach and duodenum (500-511)	1	7.6	1	1	1.1	1	1	1	1.1
Appendicitis (550-559)	1	1	1	1	1.1	1	1	1	1.1
Intraabdominal obstruction and hernia (560-569)	1	1	1	1	1.1	1	1	1	1.1
Hemorrhoids (570-579)	1	1	1	1	1.1	1	1	1	1.1
Other diseases of liver (360-389)	1	1	1	1	1.1	1	1	1	1.1
Gastritis and nephritis (390-429)	1	1	1	1	1.1	1	1	1	1.1
Hypertension without mention of heart (400-443)	1	1	1	1	1.1	1	1	1	1.1
Arteriosclerosis and degenerative heart disease (420-429)	27	159.3	26	1	1.1	1	1	1	1.1
Other diseases of heart (320-349)	8	15.2	6	1	1.1	1	1	1	1.1
Hypertension without mention of heart (400-443)	2	15.2	1	1	1.1	1	1	1	1.1
Heart disease of the newborn (420-429)	5	38.0	4	1	1.1	1	1	1	1.1
Pneumonia (390-439)	1	1	1	1	1.1	1	1	1	1.1
Bronchitis and bronchiitis (390-439)	1	1	1	1	1.1	1	1	1	1.1
Ulcers of stomach and duodenum (500-511)	1	7.6	1	1	1.1	1	1	1	1.1
Appendicitis (550-559)	1	1	1	1	1.1	1	1	1	1.1
Intraabdominal obstruction and hernia (560-569)	1	1	1	1	1.1	1	1	1	1.1
Hemorrhoids (570-579)	1	1	1	1	1.1	1	1	1	1.1
Other diseases of liver (360-389)	1	1	1	1	1.1	1	1	1	1.1
Gastritis and nephritis (

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
per 1,000

BY COUNTY AND
(continued)

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY AND MUNICIPALITY, ANN ARBOR, MICHIGAN, 1910

BY COUNT
(continued)

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

Estimated population, July 1, 1949	MURRAY						MUSKOGEE					
	Total	Race	Total	Race	Total	Race	Total	Race	Total	Race	Total	Race
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
Live birth*	373	36.9	293	3	80	6	5	141	21.2	1109	254	48
Physician in hospital	271	26.4	180	6	5	137	2	125	30	105	49	36
Physician in home or unknown	94	9.1	83	2	9	31	1	132	14	115	10	10
Stillborn	8	2.1	4	1	4	5	1	32	18	11	3	3
Physician in hospital	1	1	1	1	1	1	1	1	1	1	1	1
Middle, other, or unknown	1	1	1	1	1	1	1	1	1	1	1	1
Total deaths, all causes*	362	8.2	149	3	10	117	10.6	109	4	661	59	10
Deaths under 1 year	407	3.3	1	1	1	3	13.7	1	401	29.1	23	16
Deaths under 1 month	87	2.0	1	1	1	1	4.6	1	80	20.1	19	1
Inflammation of respiratory system (000-069)	2	10.2	2	1	1	9.0	1	25	39.5	9	16	1
Spontaneous labor (020-029)	1	5.1	1	1	1	7	1	25	46.5	1	6	1
Typhoid fever (000-048)	1	1	1	1	1	1	1	1	1	1	1	1
Scarlet fever and streptococcal sore throat	1	1	1	1	1	1	1	1	1	1	1	1
Diphtheria (055)	—	—	—	—	—	—	—	—	—	—	—	—
Whooping cough (065)	—	—	—	—	—	—	—	—	—	—	—	—
Adult pneumonia (060-069)	—	—	—	—	—	—	—	—	—	—	—	—
Smallpox (080)	—	—	—	—	—	—	—	—	—	—	—	—
Measles (085)	—	—	—	—	—	—	—	—	—	—	—	—
Varicella (110-117)	—	—	—	—	—	—	—	—	—	—	—	—
All other diseases classified as infective and parasitic (090-099, 102-104, 106-107)	—	—	—	—	—	—	—	—	—	—	—	—
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissue	25	25.9	24	1	2	7	65.3	7	82	23.1	67	14
Burden and unspecified neoplasms (210-239)	7	37.5	6	1	1	9.0	1	10	35.0	5	1	1
Brisketitis (211)	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis and degenerative heart disease (400-446)	43	200.1	41	1	2	2	18.1	1	1	1	1	1
Other diseases of heart (400-446)	11	55.9	10	1	1	9.1	1	1	1	1	1	1
Hypertension without mention of heart (444-447)	21	106.6	20	1	1	13	17.6	12	1	1	1	1
Noninfectious meningitis (340)	—	—	—	—	—	—	—	—	—	—	—	—
Chronic rheumatic heart disease (410-446)	6	30.5	5	1	1	6	65.3	7	82	23.1	67	14
Brisketitis and unspecified neoplasms (210-239)	1	30.5	1	1	1	9.0	1	10	35.0	5	1	1
Diabetes mellitus (250-299)	1	1	1	1	1	1	1	1	1	1	1	1
Vascular lesions affecting central nervous system (330-359)	65	35.2	65	1	1	10	21.6	15	35	2	1	1
Inflammation of heart (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic fever (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Chronic rheumatic heart disease (410-446)	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis and degenerative heart disease (400-446)	24	192.8	23	1	1	41	115.0	35	6	40	223.5	29
Other diseases of heart (400-446)	20	20.0	19	1	1	42	15.4	7	37.1	1	10	55.9
Hypertension with mention of heart (400-446)	7	56.2	7	1	1	4	20.7	4	1	1	1	4
Hypertension without mention of heart	18	144.6	18	1	1	18	144.6	18	1	1	1	1
Inflammation of heart (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic fever (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis and degenerative heart disease (400-446)	2	15.4	2	1	1	2	11.2	1	1	1	1	1
Other diseases of heart (400-446)	1	1	1	1	1	1	1	1	1	1	1	1
Hypertension with heart disease (400-446)	7	56.2	7	1	1	4	20.7	4	1	1	1	4
Hypertension with mention of heart	18	144.6	18	1	1	18	144.6	18	1	1	1	1
Inflammation of heart (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic fever (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis and degenerative heart disease (400-446)	2	15.4	2	1	1	2	11.2	1	1	1	1	1
Other diseases of heart (400-446)	1	1	1	1	1	1	1	1	1	1	1	1
Hypertension with heart disease (400-446)	7	56.2	7	1	1	4	20.7	4	1	1	1	4
Hypertension with mention of heart	18	144.6	18	1	1	18	144.6	18	1	1	1	1
Inflammation of heart (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic fever (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis and degenerative heart disease (400-446)	2	15.4	2	1	1	2	11.2	1	1	1	1	1
Other diseases of heart (400-446)	1	1	1	1	1	1	1	1	1	1	1	1
Hypertension with heart disease (400-446)	7	56.2	7	1	1	4	20.7	4	1	1	1	4
Hypertension with mention of heart	18	144.6	18	1	1	18	144.6	18	1	1	1	1
Inflammation of heart (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic fever (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis and degenerative heart disease (400-446)	2	15.4	2	1	1	2	11.2	1	1	1	1	1
Other diseases of heart (400-446)	1	1	1	1	1	1	1	1	1	1	1	1
Hypertension with heart disease (400-446)	7	56.2	7	1	1	4	20.7	4	1	1	1	4
Hypertension with mention of heart	18	144.6	18	1	1	18	144.6	18	1	1	1	1
Inflammation of heart (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic fever (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis and degenerative heart disease (400-446)	2	15.4	2	1	1	2	11.2	1	1	1	1	1
Other diseases of heart (400-446)	1	1	1	1	1	1	1	1	1	1	1	1
Hypertension with heart disease (400-446)	7	56.2	7	1	1	4	20.7	4	1	1	1	4
Hypertension with mention of heart	18	144.6	18	1	1	18	144.6	18	1	1	1	1
Inflammation of heart (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic fever (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis and degenerative heart disease (400-446)	2	15.4	2	1	1	2	11.2	1	1	1	1	1
Other diseases of heart (400-446)	1	1	1	1	1	1	1	1	1	1	1	1
Hypertension with heart disease (400-446)	7	56.2	7	1	1	4	20.7	4	1	1	1	4
Hypertension with mention of heart	18	144.6	18	1	1	18	144.6	18	1	1	1	1
Inflammation of heart (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic fever (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis and degenerative heart disease (400-446)	2	15.4	2	1	1	2	11.2	1	1	1	1	1
Other diseases of heart (400-446)	1	1	1	1	1	1	1	1	1	1	1	1
Hypertension with heart disease (400-446)	7	56.2	7	1	1	4	20.7	4	1	1	1	4
Hypertension with mention of heart	18	144.6	18	1	1	18	144.6	18	1	1	1	1
Inflammation of heart (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic fever (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis and degenerative heart disease (400-446)	2	15.4	2	1	1	2	11.2	1	1	1	1	1
Other diseases of heart (400-446)	1	1	1	1	1	1	1	1	1	1	1	1
Hypertension with heart disease (400-446)	7	56.2	7	1	1	4	20.7	4	1	1	1	4
Hypertension with mention of heart	18	144.6	18	1	1	18	144.6	18	1	1	1	1
Inflammation of heart (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic fever (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis and degenerative heart disease (400-446)	2	15.4	2	1	1	2	11.2	1	1	1	1	1
Other diseases of heart (400-446)	1	1	1	1	1	1	1	1	1	1	1	1
Hypertension with heart disease (400-446)	7	56.2	7	1	1	4	20.7	4	1	1	1	4
Hypertension with mention of heart	18	144.6	18	1	1	18	144.6	18	1	1	1	1
Inflammation of heart (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic fever (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis and degenerative heart disease (400-446)	2	15.4	2	1	1	2	11.2	1	1	1	1	1
Other diseases of heart (400-446)	1	1	1	1	1	1	1	1	1	1	1	1
Hypertension with heart disease (400-446)	7	56.2	7	1	1	4	20.7	4	1	1	1	4
Hypertension with mention of heart	18	144.6	18	1	1	18	144.6	18	1	1	1	1
Inflammation of heart (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic fever (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis and degenerative heart disease (400-446)	2	15.4	2	1	1	2	11.2	1	1	1	1	1
Other diseases of heart (400-446)	1	1	1	1	1	1	1	1	1	1	1	1
Hypertension with heart disease (400-446)	7	56.2	7	1	1	4	20.7	4	1	1	1	4
Hypertension with mention of heart	18	144.6	18	1	1	18	144.6	18	1	1	1	1
Inflammation of heart (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic fever (400-446)	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis and degenerative heart disease (400-446)	2	15.4	2	1	1	2	11.2	1	1	1	1	1
Other diseases of heart (400-446)	1	1	1	1	1	1	1	1	1	1	1	1
Hypertension with heart disease (400-446)	7	56.2	7	1	1	4	2					

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

Estimated population, July 1, 1949	OTAWA			OKLAHOMA			OSAGE			Estimated population, July 1, 1949	OTAWA			PANHANDLE			PACIFIC		
	Total	Rate	No.	Total	Rate	No.	Total	Rate	No.		Total	Rate	No.	Total	Rate	No.	Total	Rate	No.
White, 1,013*	1,013	25.6	25,788	809	76	932	20.8	758	121	59	622	18.6	538	32	52	12	1,120	26.0	11,392
Physician in hospital	161	107	51	93	15	59	15	52	3	123	42	93	18	12	17	11,200	10.82	21	
White, other, or unknown	52	26	25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Stillbirths	114	14.1	95	18	2	23	18	1	1	1	1	1	1	1	1	1	1	1	
Physician in hospital	106	89	2	19	1	3	15	1	3	10	10	8	10	8	10	8	10	8	
White, other, or unknown	5	3	2	1	1	1	3	1	1	3	1	1	1	1	1	1	1	1	
Total deaths, all causes	240	44	220	41	8	45	40	8	15	311	28	296	7	15	5	321	7.1	302	
Deaths under 1 month	166	23	205	28	3	45	50.2	38	8	311	21	306	10	3	1	321	5.5	14	
Tuberculosis of respiratory system (001-008)	52	16.5	39	13	2	16	35.8	7	8	42	14	224	10	3	2	321	4.7	21	
Tuberculosis, other forms (010-019)	1	0.3	1	1	1	1	2.2	2	1	2	1	2	1	1	1	2	1	1	
Syphilis and its sequelae (020-029)	25	7.9	22	5	1	1	11.2	2	1	3	1	1	1	1	1	1	1	1	
Typhoid fever (001-008)	1	0.3	1	1	1	1	2.2	1	1	3.0	1	1	1	1	1	2	1	1	
Scabies and streptococcal sore throat	1	0.3	1	1	1	1	2.2	1	1	3.0	1	1	1	1	1	2	1	1	
Bilharziasis (021-029)	1	0.3	1	1	1	1	2.2	1	1	3.0	1	1	1	1	1	2	1	1	
Phthisis cough (050-059)	1	0.3	1	1	1	1	2.2	1	1	3.0	1	1	1	1	1	2	1	1	
Neurogenital infections (057)	18	5.7	18	4.5	1	1	2.2	1	1	3.0	1	1	1	1	1	2	1	1	
Smallpox (001-008)	2	0.6	2	2.2	1	1	2.2	1	1	6.0	2	2	1	1	1	2	1	1	
Malaria (041-050)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
All other diseases classified as infective and parasitic (050-059)	402	120.3	402	107.4	801	183	865.0%	402	107.4	801	183	865.0%	402	107.4	801	183	865.0%	402	
All infant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	5	1.6	4	1	—	—	—	1	3.0	1	—	—	1	—	—	1	—	—	
Chronic bronchitis and emphysema (101-109)	355	112.8	351	23	1	79	106.7	68	8	46	177.3	45	1	2	1	16	112.0	21	
Breast and unspecified neoplasms (201-209)	34	6.4	32	1	4	8.9	3	1	1	7	20.9	5	1	2	1	12	4.4	1	
Diabetes mellitus (260-269)	38	12.1	37	1	1	4	8.9	3	1	7	20.9	5	1	2	1	12	4.4	1	
Anemias (290-299)	114	36.2	100	29	75.9	220	19	57	127.5	99	18	30	98.6	30	1	12	4.4	1	
Vascular lesions affecting central nervous system (310-319)	29	9.5	26	2	1	57	27.2	29	18	30	98.6	30	1	1	1	12	4.4	1	
Neonatal congenital malformations (340-349)	28	8.9	26	2	1	4	8.9	2	1	6	17.9	5	1	1	1	7.2	2	1	
Arteriosclerosis and degenerative heart disease (400-422)	544	172.9	525	18	1	76	170.0	70	6	60	179.1	54	1	5	1	27	5.1	2	
Other diseases of heart (430-449)	93	29.9	73	10	1	21	47.0	13	8	14	44.8	34	1	1	1	12	2.2	1	
Hypertension with heart disease (450-469)	114	36.2	100	14	42.0	14	42.0	14	1	1	1	1	1	1	1	1	1	1	
Hypertension without mention of heart	26	8.5	25	2	1	14	34.4	3	1	15	47.9	14	1	1	1	12	2.2	1	
General, not elsewhere classified, on heart	26	8.5	25	2	1	14	32.2	3	1	15	47.9	14	1	1	1	12	2.2	1	
Infarction of heart (470-479)	57	18.1	53	7	2	14	31.3	11	2	17	20.9	7	1	1	1	10	2.1	2	
Ulcers of stomach and duodenum (540-549)	15	4.8	14	1	2	4.5	1	1	2	3.0	1	1	1	1	1	1	1	1	
Appendicitis (550-559)	19	2.9	18	1	1	2	3.0	1	1	2	3.0	1	1	1	1	1	1	1	
Inflammation, obstruction and hernia (560-569)	22	7.0	20	2	1	7	15.7	4	3	2	6.0	2	1	1	1	14.4	2	1	
Gastritis, duodenitis, enteritis and colitis (570-579)	13	4.1	11	2	1	5	11.2	3	1	1	11.9	1	1	1	1	12.5	3	1	
Gastroenteritis and enteritis (580-589)	16	5.1	16	2	1	5	11.2	3	1	1	11.9	1	1	1	1	12.5	3	1	
Gastritis and nephritis (590-599)	39	12.4	39	20	1	15	33.5	8	5	2	4.0	12	1	1	1	21.6	3	1	
Complications of pregnancy, childbirth and puerperium (600-609)	12	3.8	12	2	1	2	6.0	2	1	1	1	1	1	1	1	10.6	2	1	
Other complications of pregnancy, childbirth and puerperium (610-619)	8	1.9	8	3	1	11	24.1	1	1	3.2	2	1	1	1	1	12.5	2	1	
Birth, stillbirth, postpartum and puerperium (620-629)	43	13.7	36	7	1	11	24.6	11	1	3.2	2	1	1	1	1	12.5	2	1	
Birth, stillbirth, postpartum and puerperium (630-639)	80	25.4	74	5	1	9	20.1	1	1	11.9	3	2	1	1	1	11.0	5	1	
Other diseases peculiar to early infancy, and immaturity unqualified (650-659)	68	21.6	62	6	1	13	29.1	9	2	6	17.9	5	1	1	1	11.0	5	1	
Other diseases, not otherwise qualified (660-669)	19	6.3	16	1	1	13	29.1	9	2	6	17.9	5	1	1	1	11.0	5	1	
Nephritis and nephrosis (670-679)	16	5.1	16	2	1	13	29.1	9	2	6	17.9	5	1	1	1	11.0	5	1	
Hyperplasia of prostate (680-689)	12	3.8	12	2	1	13	29.1	9	2	6	17.9	5	1	1	1	11.0	5	1	
Complications of pregnancy, childbirth and puerperium (690-699)	8	1.9	8	3	1	11	24.6	1	1	3.2	2	1	1	1	1	12.5	2	1	
Birth, stillbirth, postpartum and puerperium (700-709)	80	25.4	74	5	1	9	20.1	1	1	11.9	3	2	1	1	1	11.0	5	1	
Other diseases, not otherwise qualified (710-719)	13	4.1	11	2	1	5	11.2	3	1	1	11.9	1	1	1	1	12.5	3	1	
Cirrhosis of liver (781)	16	5.1	16	2	1	13	29.1	9	2	6	17.9	5	1	1	1	11.0	5	1	
Nephritis and nephrosis (780-789)	12	3.8	12	2	1	13	29.1	9	2	6	17.9	5	1	1	1	11.0	5	1	
Hyperplasia of prostate (780-789)	8	1.9	8	3	1	11	24.6	1	1	3.2	2	1	1	1	1	12.5	2	1	
The purpura (790-799)	13	4.1	11	2	1	5	11.2	3	1	1	11.9	1	1	1	1	12.5	3	1	
Birth, stillbirth, postpartum and puerperium (790-799)	80	25.4	74	5	1	9	20.1	1	1	11.9	3	2	1	1	1	11.0	5	1	
Other diseases, not otherwise qualified (800-809)	105	33.4	92	13	20	44.7	18	1	1	14.1	18	14	1	1	1	14.4	2	1	
All other accidents (800-809)	105	33.4	92	13	20	44.7	18	1	1	14.1	18	14	1	1	1	14.4	2	1	
All other accidents (810-819)	32	10.2	31	1	1	4	8.9	4	1	1	11.9	4	1	1	1	4.4	2	1	
Isolation and operations of heart (890-899)	70	7.0	12	10	1	4	8.9	4	1	1	11.9	4	1	1	1	4.4	2	1	
Isolation and operations of heart (890-899)	70	7.0	12	10	1	4	8.9	4	1	1	11.9	4	1	1	1	4.4	2	1	

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DISEASES BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949

(Continued)

Estimated population, July 1, 1949	PHYSICIAN			PONTOTOC			POTTER/OKLAHOMA		
	Total	Race	Total	Race	Total	Race	Total	Race	Total
No.	Betes	No.	No.	No.	No.	No.	No.	No.	No.
LIVE BIRTHS ^a	41,753	41,753	12,111	12,111	1,776	1,776	64	64	39
Physician in hospital			668	668	612	612	26	26	22,2
Physician in home			123	123	12	12	7	7	92
Midwife, other, or unknown			58	58	32	32	24	24	57
Stillbirths ^b			15	17,1	10	10	7	7	52
Physician in hospital			7	7	6	6	4	4	17,9
Physician in home			1	1	1	1	1	1	15
Midwife, other, or unknown			1	1	1	1	1	1	1
Total deaths, all causes ^c			3,68	3,68	82	82	32	32	285
Deaths under 1 year ^c			16	16	21	21	10	10	92
Deaths under 1 month ^c			10	10	17	17	7	7	42
Tuberculosis of respiratory system (001-008)			11,4	11,4	24,2	24,2	15	15	388
Tuberculosis, other forms (009-012)			4	4	2	2	1	1	23
Pharyngitis and laryngitis (002-003)			2,4	2,4	6,3	6,3	2	2	20
Diarrhea and enteritis (004-008)			1	1	1	1	1	1	1
Scarlet fever and streptococcal sore throat			1	1	1	1	1	1	1
Diphtheria (055)			1	1	1	1	1	1	1
Meningoencephalitis (056)			1	1	1	1	1	1	1
All diseases classified as infective and parasitic (009-099, 010-042, 043-049, 050-054, 055-056, 058-060, 061-063, 064-066, 067-069, 070-072, 074-076, 078-080)			2	4,8	1	1	1	1	-
All diseases, including neoplasms of bone, joint, muscle, tendon, ligament, and connective tissue			1	1	3,2	3,2	1	1	-
Jugular and humeral epiphyses			1	1	1	1	1	1	-
Jugular and humeral epiphyses			1	1	1	1	1	1	-
Benign and unspecified neoplasms (201-239)			3	7,2	3	3	1	1	-
Diabetes mellitus (250-252)			1	1	4	4	2	2	-
Neuritis, neuropathies affecting central nervous system (253-257)			39	93,4	31	3	28	28	99
Rheumatic fever (258-262)			1	1	2,4	2,4	1	1	40
Arteriosclerotic and degenerative heart disease (400-446)			34	81,4	31	3	28	88,6	29
Other diseases of heart (450-454)			1	1	4	4	2	2	89,2
Hypertension, arterial, motion of heart (455-461)			16	25,9	25	25	1	1	39
Hypertension, arterial, motion of heart (462-477)			47	47,9	35	35	1	1	45,0
Injuries (480-483)			4	9,6	3	1	6	13,8	41
Fractures (490-493)			19	45,5	17	2	3	3,2	1
Ulcer of stomach and duodenum (530-541)			2	2,4	2	1	1	1	6
Ulcer of stomach and duodenum (542-551)			1	2,4	1	1	1	1	19,0
Esophageal obstruction and peristalsis (560-570)			1	2,4	1	1	1	1	8
Gastritis, duodenitis, enteritis and colitis, except diarrhea of the newborn (583-591, 592)			4	9,6	3	1	6	19,0	6
Cirrhosis of liver (591)			3	2,4	2	1	1	4	8,9
Empyema and pneumonia (593-596)			9	21,6	6	3	2	1	13,4
Complications of pregnancy, childbirth and puerperium (600-629)			1	2,4	1	1	1	1	2,2
Congenital deformations (630-659)			3	7,2	3	1	1	1	9,5
Birth injuries, postnatal asphyxia and apoplexy (660-682)			1	2,4	1	1	1	1	2,2
Infections of the newborn (683-693)			1	2,4	1	1	1	1	2,2
Other diseases, malignant and nonmalignant (694-709)			6	14,4	6	1	1	10	31,6
Defined and unknown causes (700-776)			18	43,1	13	3	2	10	31,6
All other diseases (residual)			25	59,9	22	3	2	6	2,2
Motor vehicle accidents (800-829)			21	26,3	20	1	2	26,3	23
All other accidents (830-859)			25	59,9	21	1	3	8	25,3
Silicosis and salt-inhalated injury (856-857)			6	14,4	6	1	1	1	22,3
Silicosis and salt-inhalated injury (858-859)			4	14,4	4	1	1	1	22,7
Operations of eye (860-865)			4	9,6	4	1	1	1	2,2
Operations of eye (866-867)			1	1	1	1	1	1	2,2
Operations of eye (868-869)			1	1	1	1	1	1	2,2
Operations of eye (870-871)			1	1	1	1	1	1	2,2
Operations of eye (872-873)			1	1	1	1	1	1	2,2
Operations of eye (874-875)			1	1	1	1	1	1	2,2
Operations of eye (876-877)			1	1	1	1	1	1	2,2
Operations of eye (878-879)			1	1	1	1	1	1	2,2
Operations of eye (880-881)			1	1	1	1	1	1	2,2
Operations of eye (882-883)			1	1	1	1	1	1	2,2
Operations of eye (884-885)			1	1	1	1	1	1	2,2
Operations of eye (886-887)			1	1	1	1	1	1	2,2
Operations of eye (888-889)			1	1	1	1	1	1	2,2
Operations of eye (890-891)			1	1	1	1	1	1	2,2
Operations of eye (892-893)			1	1	1	1	1	1	2,2
Operations of eye (894-895)			1	1	1	1	1	1	2,2
Operations of eye (896-897)			1	1	1	1	1	1	2,2
Operations of eye (898-899)			1	1	1	1	1	1	2,2

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Estimated population, July 1, 1949	PHENOMENA			RIVER MILLS			ROGERS		
	Total	Race	Total	Race	Total	Race	Total	Race	Total
No.	Betes	No.	No.	No.	No.	No.	No.	No.	No.
LIVE BIRTHS ^a	12,111	12,111	20,6	20,6	7	7	25	25	19,2
Physician in hospital			84	84	162	162	3	3	19,7
Physician in home			17,1	17,1	152	152	2	2	19,2
Midwife, other, or unknown			9	9	34	34	2	2	20
Stillbirths ^b			17,1	17	12,0	12,0	2	2	19,2
Physician in hospital			5	5	11	11	1	1	19,2
Physician in home			3	3	1	1	1	1	19,2
Total deaths, all causes ^c			8,9	8,9	43	43	3	3	20,0
Deaths under 1 year ^c			4,9	4,9	21,9	21,9	1	1	19,2
Tuberculosis of respiratory system (001-008)			4,4	4,4	19,0	19,0	1	1	19,2
Tuberculosis, other forms (009-012)			4	4	24,8	24,8	1	1	19,2
Syphilis (013-014)			4	4	25,3	25,3	1	1	19,2
Syphilis, congenital (015-016)			1	1	10,7	10,7	1	1	19,2
Scabies (017-018)			1	1	20,4	20,4	1	1	19,2
Scabies, recurrent and staphylococcal skin disease (019-021)			1	1	12,9	12,9	1	1	19,2
Diphtheria (055)			1	1	1	1	1	1	19,2
Meningoencephalitis (056)			1	1	1	1	1	1	19,2
Measles (057)			1	1	1	1	1	1	19,2
Measles, poliomyelitis (058)			1	1	1	1	1	1	19,2
Measles, poliomyelitis (059)			1	1	1	1	1	1	19,2
Measles, poliomyelitis (060)			1	1	1	1	1	1	19,2
Measles, poliomyelitis (061)			1	1	1	1	1	1	19,2
Measles, poliomyelitis (062)			1	1	1	1	1	1	19,2
Measles, poliomyelitis (063)			1	1	1	1	1	1	19,2
Measles, poliomyelitis (064)			1	1	1	1	1	1	19,2
Measles, poliomyelitis (065)			1	1	1	1	1	1	19,2
Measles, poliomyelitis (066)			1	1	1	1	1	1	19,2
Measles, poliomyelitis (067)			1	1	1	1	1	1	19,2
Measles, poliomyelitis (068)			1	1	1	1	1	1	19,2
Measles, poliomyelitis (069)			1	1	1	1	1	1	19,2
Measles, poliomyelitis (070)			1	1	1	1	1	1	19,2
Influenza (080-083)			1	1	1	1	1	1	19,2
Pneumonia (400-403)			1	1	1	1	1	1	19,2
Bronchitis (500-502)			1	1	1	1	1	1	19,2
Ulcer of stomach and duodenum (540-541)			1	1	1	1	1	1	19,2
Asthma (550-553)			1	1	1	1	1	1	19,2
Appendicitis (550-553)			1	1	1	1	1	1	19,2
Obstruction of intestine (560-563)			1	1	1	1	1	1	19,2
Obstruction of intestine (564-567)			1	1	1	1	1	1	19,2
Obstruction of intestine (568-571)			1	1	1	1	1	1	19,2
Obstruction of intestine (572-575)			1	1	1	1	1	1	19,2
Obstruction of intestine (576-579)			1	1	1	1	1	1	19,2
Obstruction of intestine (580-583)			1	1	1	1	1	1	19,2
Obstruction of intestine (584-587)			1	1	1	1	1	1	19,2
Obstruction of intestine (588-591)			1	1	1	1	1	1	19,2
Obstruction of intestine (592-595)			1	1	1	1	1	1	19,2
Obstruction of intestine (596-599)			1	1	1	1	1	1	19,2
Obstruction of intestine (600-603)			1	1	1	1	1	1	19,2
Obstruction of intestine (604-607)			1	1	1	1	1	1	19,2
Obstruction of intestine (608-611)			1	1	1	1	1	1	19,2
Obstruction of intestine (612-615)			1	1	1	1	1	1	19,2
Obstruction of intestine (616-619)			1	1	1	1	1	1	19,2
Obstruction of intestine (620-623)			1	1	1	1	1	1	19,2
Obstruction of intestine (624-627)			1	1	1	1	1	1	19,2
Obstruction of intestine (628-631)			1	1	1	1	1	1	19,2
Obstruction of intestine (632-635)			1	1	1	1	1	1	19,2
Obstruction of intestine (636-639)			1	1	1	1	1	1	19,2
Obstruction of intestine (640-643)			1	1	1	1	1	1	19,2
Obstruction of intestine (644-647)			1	1	1	1	1	1	19,2
Inflammation of liver (561)			2	15,7	2	1	1	1	19,2
Inflammation of liver (562)			2	31,5	3	2	1	1	19,2
Inflammation of liver (563)			2	7,6	1	1	1	1	19,2
Inflammation of liver (564-567)			2	12,9	1	1	1	1	19,2
Inflammation of liver (568-571)			2	12,9	1</td				

TABLE IV.
RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

BY COUNTY, AND NUMBER BY COUNTY AND
(continued)

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE

BY GOVERNMENT, AND NOVEMBER BY GOVERNMENT

Estimated population, July 1, 1942	TEXAS				TULUMAN				TULSA			
	Total	White	Race	Total	White	Black	Total	White	Black	Total	White	Black
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
Live births*, physician in hospital	354	257	255	210	16,1	20,1	45	5,93	23,4	56,1	55,8	56,4
Physician in home	109	55	54	272	---	---	54	4	50	57	57	58
Midwife, other, or unknown	556	109	447	29	29	29	29	3,57	3,57	40,6	37,0	37,0
Stillbirths /	2	2	2	13	8,8	4	6	6	6	10,0	18,0	10,0
Physician in hospital	---	---	---	5	3	2	7	7	7	77	65	73
Nursing in home	---	---	---	1	1	4	4	23	23	10	12	1
Physician, other	---	---	---	2	2	2	2	2	2	2	2	2
Total	86	62	86	105	62	43	160	25	25	293	8,62	188
Deaths under 1 year	6	6	6	35	34	1	1	1	1	177	177	20
Deaths under 1 month	1	1	1	9	8	1	1	1	1	113	113	14
Rheumatic heart disease (001-008)	1	7,3	1	35	26,7	8	14	14	14	65	2,8	65
Rheumatism, other forms (001-019)	---	---	---	4	4	4	4	4	4	2	2	2
Syphilis and its sequelae (002-029)	---	---	---	1	1	1	1	1	1	16	6,5	14
Syphilitic fever (003-004)	---	---	---	1	1	1	1	1	1	1	1	1
Spina bifida, all forms (005-008)	---	---	---	1	1	1	1	1	1	1	1	1
Spina bifida and spina occulta, non-hereditary	---	---	---	1	1	1	1	1	1	1	1	1
Spina bifida, hereditary	---	---	---	1	1	1	1	1	1	1	1	1
Whooping cough (005-006)	---	---	---	2	10,7	2	2	2	2	1	1	1
Bacterial infections (057-058)	---	---	---	1	7,3	1	3	3	3	1	1	1
Acute poliomyelitis (080-081)	---	---	---	3	16,0	3	6	6	6	24	6	24
Hemophilia (082-083)	---	---	---	1	7,3	1	1	1	1	2	2	2
Hemorrhage, all causes (084-085)	---	---	---	1	1	1	1	1	1	1	1	1
All other infectious diseases (086-099)	---	---	---	1	1	1	1	1	1	1	1	1
All other diseases classified as infective and parasitic (090-099)	0,02	0,02	0,04	1	1	1	1	1	1	1	1	1
Parasitic infestation (095-096)	0,49	0,49	0,49	1	1	1	1	1	1	1	1	1
Acute myocarditis (100-101)	1,20	1,18	1,20	1	1	1	1	1	1	1	1	1
Adolescent neoplasms, including neoplasms of bone and mesenchymal tissues	1	1	1	1	1	1	1	1	1	1	1	1
Diabetes and unspecified nephroses (210-229)	1	1	1	1	1	1	1	1	1	1	1	1
Diabetes mellitus (260)	1	14,5	2	1	1	1	1	1	1	1	1	1
Vascular lesions affecting central nervous system (300-304)	1	1	1	1	1	1	1	1	1	1	1	1
Benign cerebral meningitis (340)	9	65,3	9	16	85,3	15	1	24	24	192	24	3
Cerebral hemorrhage (340-341)	1	1	1	1	5,2	1	1	1	1	24	24	3
Cerebral thrombosis (340-341)	1	1	1	1	5,2	1	1	1	1	24	24	3
Arteriosclerosis and degenerative heart disease (340-342)	9	65,3	9	25	23,3	22	3	281	113,3	262	17	2
Other diseases of heart (460-474)	2	14,5	2	3	16,0	3	2	22	8,9	21	12	1
Hypertension with heart disease (460-474)	4	29,0	4	16	85,3	15	1	24	88,3	192	24	3
Arteritis of heart (490-494)	1	1	1	1	5,2	1	1	1	1	24	24	3
Brachial plexus (500-502)	1	1	1	1	4	21,3	3	1	23	9,3	24	3
Ulcer of stomach and duodenum (540-542)	16	116,0	16	45	239,9	42	3	465	179,5	437	25	4
Appendicitis (550-553)	501	50,7	50	6	43,0	9	2	96	37,9	80	14	1
Peritonitis, obstruction, and hernia (560)	501	50,7	50	1	42,6	5	1	24	12,4	23	1	1
Gangrenous mastitis (561-562)	1	1	1	1	42,6	5	1	23	12,2	21	1	1
Peritonitis, inflammation of the peritoneum (563-564)	1	1	1	1	37,3	1	1	1	1	11,2	11	1
Inflammation of liver (561)	1	7,3	1	1	5,2	1	1	1	1	1	1	1
Reproductive and genital organs (565-568)	1	7,3	1	1	5,2	1	1	1	1	1	1	1
Hypoplasia of prostate (560)	1	7,3	1	1	5,2	1	1	1	1	1	1	1
Complications of pregnancy, childbirth and parturition (569-572)	2	3,6	2	1	2	10,7	2	17	6,9	35	2	1
Other complications of pregnancy, childbirth and parturition (573-579)	3	21,8	3	2	1	10,7	2	1	1	1	1	1
All other diseases of the heart (580-582)	1	6,2	1	1	2	10,7	2	1	4	9	9	1
All other diseases of the blood (583-586)	1	6,2	1	1	2	10,7	2	1	4	9	9	1
Other diseases peculiar to newborn (587-593)	1	7,3	1	1	4	21,3	3	1	4	24,5	30	6
Infections of the newborn (594-598)	1	7,3	1	1	4	21,3	3	1	4	24,5	30	6
Other diseases peculiar to newborn (599-604)	2	14,5	2	6	32,0	5	1	6	24	24	6	2
Smelliness without mention of psychosis (605-611)	3	21,8	3	2	10,7	1	1	6,9	6,9	6,9	11	1
All other diseases of newborn (612-615)	1	6,2	1	1	2	10,7	1	1	4	9	9	1
All other diseases of the brain (616-619)	1	6,2	1	1	2	10,7	1	1	4	9	9	1
All other diseases of the eye (620-622)	1	6,2	1	1	2	10,7	1	1	4	9	9	1
Homicide and self-inflicted injury (620-627)	9	65,3	9	2	1	1	1	1	1	1	1	1
Homicide and operations of war (628-635)	9	65,3	9	2	1	1	1	1	1	1	1	1
Homicide and self-inflicted injury (636-639)	16	16,0	16	6	68	27,4	6	6	6	6	6	6
Homicide and operations of war (640-647)	16	16,0	16	6	68	27,4	6	6	6	6	6	6

TABLE IV. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE
BY COUNTY, AND NUMBER BY COUNTY AND RACE, OKLAHOMA, 1949
(Continued)

Estimated population, July 1, 1949	WAGNER			WASHINGTON			WASHITA					
	Total	Rebs.	Total	Rebs.	Total	Rebs.	Total	Rebs.	Total	Rebs.	Total	
No.	Rate	No.	Ind.	No.	Rate	No.	Ind.	No.	Rate	No.	Ind.	
Live births*, physician in hospital	404	23.5	320	74	70	757	23.2	709	38	30	350	19.4
Physician in home or unknown	157	—	169	1	7	725	—	682	34	9	336	19.4
Stillbirths, physician in hospital	3	—	223	1	8	31	—	26	4	1	35	6
Stillbirths, physician in home	5	—	—	—	—	119	—	9	—	—	26	8
Middle, other, or unknown	1	—	—	—	—	8	—	—	—	—	—	1
Total deaths, all causes ^a	123	7.1	81	39	3	282	8.6	27	25	30	121	6.7
Deaths under 1 month ^b	9	—	22.3	4	4	23.8	14	4	8	22.9	7	—
Tuberculosis of respiratory system (001-008)	5	9.9	12	4	10	16.4	9	2	6	17.1	5	—
Tuberculosis, other forms (009-012)	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis, all forms (001-012)	3	17.4	21	2	—	—	—	—	—	—	—	—
Brucellosis, all forms (004-008)	1	5.8	2	—	—	—	—	—	—	—	—	—
Scarlet fever and streptococcal sore throat	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria (055), —	—	—	—	—	—	—	—	—	—	—	—	—
Whooping cough (056), —	—	—	—	—	—	—	—	—	—	—	—	—
Measles (058), —	—	—	—	—	—	—	—	—	—	—	—	—
Typhus and other rickettsial diseases (100-108)	1	5.8	—	—	—	—	—	—	—	—	—	—
Influenza (110-117), —	—	—	—	—	—	—	—	—	—	—	—	—
All other diseases classified as infective	—	—	—	—	—	—	—	—	—	—	—	—
Allergic conditions (118-130), —	—	—	—	—	—	—	—	—	—	—	—	—
Lymphatic and hematoopoietic tissues (140-149)	1	5.8	2	—	—	—	—	—	—	—	—	—
Diabetes mellitus (250-259)	1	5.8	1	—	—	—	—	—	—	—	—	—
Amenorrhea (250-259)	—	—	—	—	—	—	—	—	—	—	—	—
Infecting central nervous system (310-319)	14	81.3	9	5	—	97.9	26	6	20	55.4	10	—
Hemorrhoidal hemorrhoids (340-349)	—	—	—	—	—	—	—	—	—	—	—	—
Rheumatic fever (400-402)	2	11.6	2	—	—	37	11.2	35	2	36	88.7	16
Arteriosclerotic and degenerative heart disease (400-421)	18	104.5	13	4	—	6.1	—	1	3	5.5	3	—
Other diseases of heart (420-434)	4	23.2	4	4	—	4.2	3	—	3	16.6	3	—
Heart disease, all forms (430-434)	46	66.4	4	4	—	3	—	3	—	3	—	—
Heart disease, all forms (435-447)	—	—	—	—	—	—	—	—	—	—	—	—
Influenza (480-489)	1	5.8	1	—	—	3.1	—	1	—	—	—	—
Pneumonia (490-502)	2	17.4	2	—	—	3.1	—	1	—	—	—	—
Ulcer of stomach and duodenum (540-542)	2	11.6	2	—	—	3.1	—	1	—	—	—	—
Appendicitis (550-553)	1	5.8	1	—	—	3.1	—	1	—	—	—	—
Inflammation and obstruction of intestine (550-553)	2	11.6	2	—	—	6.1	—	2	—	—	—	—
Gastritis, duodenitis, enteritis, and colitis, except diarrhoea of the newborn (563-568)	—	—	—	—	—	—	—	—	—	—	—	—
Infections of the newborn (563-568)	571	57.1	—	—	—	—	—	—	—	—	—	—
Gonorrhoea (580-582)	—	—	—	—	—	—	—	—	—	—	—	—
Cirrhosis and nephrosis (590-592)	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerotic and degenerative brain and spinal cord (600-609)	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of brain (610-619)	—	—	—	—	—	—	—	—	—	—	—	—
Congenital malformations (700-709)	2	1.5	1	—	—	1.3	—	2	—	—	—	—
Birth injuries, postnatal asphyxia and brachial palsy (760-762)	1	5.8	1	—	—	3.1	—	2	—	—	—	—
Injuries of the newborn (763-768)	1	5.8	1	—	—	3.1	—	2	—	—	—	—
Other diseases peculiar to early infancy, and immaturity (770-779)	3	17.4	2	1	—	2	—	1	—	—	—	—
Defects and anomalies (780-789)	11	—	15.3	4	1	—	2	—	1	—	—	—
All other diseases (residual)	8	46.4	5	3	—	32.2	—	2	—	—	—	—
Motor vehicle accidents (800-802, 800-805)	12	69.7	8	4	—	26.7	—	11.1	—	—	—	—
All other accidents (800-802, 800-805)	2	11.6	1	—	—	16.7	—	5.5	—	—	—	—
War and self-inflicted injury (800-805, 857-859)	—	—	—	—	—	—	—	—	—	—	—	—
Hostile and operations of war (800-805, 857-859)	—	—	—	—	—	—	—	—	—	—	—	—
Hostile and operations of war (800-805, 857-859)	—	—	—	—	—	—	—	—	—	—	—	—

Estimated population, July 1, 1949	WOODS			MOORE			
	Total	Rate	Ind.	Total	Rate	Ind.	
No.	No.	No.	No.	No.	No.	No.	
Live births*, physician in hospital	357	25.2	355	1	1	300	20.6
Physician in home or unknown	352	—	350	1	1	287	20.6
Stillbirths, physician in hospital	4	—	4	1	12	—	
Stillbirths, physician in home	8	—	8	1	13.3	—	
Total deaths, all causes ^a	123	—	121	4	—	13.3	
Deaths under 1 year ^b	22	—	21	4	—	4	
Tuberculosis of respiratory system (001-008)	4	—	4	—	—	—	
Tuberculosis, other forms (009-012)	—	—	—	—	—	—	
Tuberculosis, all forms (001-012)	4	—	4	—	—	—	
Brucellosis, all forms (004-008)	—	—	—	—	—	—	
Typical and atypical pneumonia (001-008)	3	—	3	—	—	—	
Influenza (110-117)	—	—	—	—	—	—	
All other diseases classified as infective	—	—	—	—	—	—	
Allergic conditions (118-130)	—	—	—	—	—	—	
Lymphatic and hematoopoietic tissues (140-149)	—	—	—	—	—	—	
Diabetes mellitus (250-259)	—	—	—	—	—	—	
Anemia (290-299)	—	—	—	—	—	—	
Infecting central nervous system (310-319)	14	94.6	14	—	16	109.9	
Hemorrhoidal hemorrhoids (340-349)	—	—	—	—	—	—	
Chronic rhinitis, sinusitis, and nasal catarrh (350-359)	—	—	—	—	—	—	
Arteriosclerotic and degenerative heart disease (400-421)	13	91.6	13	—	22	131.1	
Other diseases of heart (420-434)	7.0	—	7.0	—	—	—	
Diabetes mellitus (260-269)	2	14.1	2	—	13.7	—	
Anemia (290-299)	2	—	2	—	26	108.6	
Vascular lesions affecting central nervous system (350-359)	5	35.2	5	—	5	34.3	
Hematogenous meningitis (340-349)	—	—	—	—	—	—	
Chronic bronchitis, emphysema, and asthma (350-359)	—	—	—	—	—	—	
Arteriosclerotic and degenerative heart disease (400-421)	36	23.1	36	—	26	108.6	
Other diseases of heart (420-434)	3	21.1	3	—	5	48.1	
Hypertension without mention of heart	5	35.2	5	—	7	—	
Hypertension with mention of heart (430-434)	—	—	—	—	—	—	
Fatty degeneration (440-449)	—	—	—	—	—	—	
Pneumonia (590-592)	—	—	—	—	—	—	
Bronchitis (590-592)	—	—	—	—	—	—	
Ulcer of stomach and duodenum (560-562)	—	—	—	—	—	—	
Appendicitis (550-553)	—	—	—	—	—	—	
Inflammatory obstruction and hernia (560-563)	—	—	—	—	—	—	
Gastritis, duodenitis, enteritis, and colitis, except diarrhoea of the newborn (563-568)	1	7.0	1	—	2	13.7	
Infections of the newborn (563-568)	571	57.1	571	—	571	57.1	
Cirrhosis and nephrosis (590-592)	—	—	—	—	—	—	
Hepatitis and nephritis (590-592)	—	—	—	—	—	—	
Complications of pregnancy, childbirth and puerperium (600-602)	—	—	—	—	—	—	
Genital tuberculosis (600-602)	—	—	—	—	—	—	
Bilharziasis (600-602)	—	—	—	—	—	—	
Infection of the newborn (650-658)	2	14.1	2	—	1	6.9	
Other diseases peculiar to early infancy, and immaturity (700-709)	3	21.1	3	—	2	13.7	
Senility without mention of psychosis (780-789)	2	14.1	2	—	1	6.9	
Infantile and uterine cancers (780-789)	2	14.1	2	—	1	6.9	
Acromegaly (800-802)	17.8	—	17.8	—	—	—	
All other diseases (residual)	4	28.2	4	—	3	13.7	
Stroke and self-inflicted injury (800-805)	1	7.0	1	—	1	6.9	
Hostile and operations of war (800-805, 857-859)	—	—	—	—	—	—	
Hostile and operations of war (800-805, 857-859)	—	—	—	—	—	—	

TABLE V. RESIDENT BIRTHS, DEATHS, AND DEATHS BY IMPORTANT CAUSES, NUMBER AND RATE, BY RACE.

Estimated population July 1, 1959	OKLAHOMA CITY						TULSA					
	Total	White	Non- white	Total	White	Non- white	Total	White	Non- white	Total	White	Non- white
LIVE BIRTHS*	5,260	5,154	146	22.0	19.7	2.3	5,364	5,054	310	24.4	21.2	3.2
Physician in hospital	5,179	5,074	105	—	—	—	5,363	5,053	310	—	—	—
Midwife, other or unknown	95	95	0	—	—	—	35	35	0	—	—	—
Stillbirths	88	87	1	15.7	15.7	0	15	15	0	17.6	17.6	0
Physician in hospital	81	81	0	66	66	0	60	60	0	73	73	0
Midwife, other or unknown	4	4	0	4	4	0	3	3	0	9	9	0
Total deaths under 1 month	1,859	1,699	160	—	—	—	1,536	1,346	190	—	—	—
Deaths under 1 year	1,707	1,442	265	—	—	—	1,246	924	322	—	—	—
Tuberculosis, other forms	41	17.1	23.9	—	—	—	32	20.1	12.9	—	—	—
Spinales and its sequelae	21	8.4	12.6	—	—	—	14	7.8	6.2	—	—	—
Spinales, lower	1	0.4	0.4	—	—	—	1	0.6	0.6	—	—	—
Scarlet fever and streptococcal diseases	—	—	—	—	—	—	3	1.7	2.2	—	—	—
Scarlet fever and streptococcal diseases, non-acute	—	—	—	—	—	—	1	0.6	0.6	—	—	—
Diphtheria (555)	2	0.4	1.6	—	—	—	1	0.6	0.6	—	—	—
Whooping cough (965)	9	3.8	5.2	—	—	—	5	2.8	2.5	—	—	—
Meningococcal infections (597)	—	—	—	—	—	—	—	—	—	—	—	—
Acute poliomyelitis (860)	—	—	—	—	—	—	—	—	—	—	—	—
Measles (1,026)	—	—	—	—	—	—	1	0.6	0.6	—	—	—
Pneumonia and allied conditions (1,046)	—	—	—	—	—	—	—	—	—	—	—	—
Measles and unspecified neoplasms (210-239)	—	—	—	—	—	—	—	—	—	—	—	—
All other diseases classified as infective and parasitic (900-909, 941, 942-944, 969, 970-974, 976-978, 980-986, 120-1381)	4	1.7	3	1	—	—	5	2.8	2.5	—	—	—
Infective and parasitic diseases, including neoplasms of lymphatic and hematopoietic tissues	—	—	—	—	—	—	—	—	—	—	—	—
Diabetes mellitus (200)	277	116.0	255	22	2	2	222	118.5	139	13	—	—
Vascular lesions affecting central nervous system (290-329)	29	12.1	28	1	1	1	19	10.1	12	13	—	—
Neurofibromatosis, neurofibroma (340)	176	73.7	102	10	10	10	161	90.0	71.0	18	2	—
Neurofibromatosis, peripheral nerve disease (340-346)	21	9.3	8.8	2	2	2	16	3.4	12.6	6	6	—
Arteriosclerosis and degenerative heart disease (420-422)	430	171.6	398	31	2	2	392	196.7	339	21	2	—
Other diseases of heart (430-434)	85	35.6	75	16	1	1	69	38.6	58	11	1	—
Hypertension without mention of heart	23	9.5	24.1	20	3	—	17	9.5	15	1	1	—
Bronchitis (490-539)	43	18.0	39	4	4	4	42	23.5	24	18	1	—
Ulcers of stomach and duodenum (540-542)	11	4.6	10	1	1	1	9	2.7	7.2	1	1	—
Aappendicitis (550-552)	5	2.1	4	1	1	1	4	2.2	2.9	3	2	—
Intestinal obstruction and hernia (560-562)	16	6.7	15	1	—	—	10	5.6	8	2	2	—
Gastritis, duodenitis, enteritis and colitis (563-572)	—	—	—	—	—	—	—	—	—	—	—	—
Neonatal malformations (710-729)	32	13.6	6	4	2	2	25	15.1	24	3	3	—
Respiratory distress syndrome (730-739)	73	32.2	71	7	1	1	42	23.5	31	9	9	—
All other diseases of the heart (740-769)	—	—	—	—	—	—	—	—	—	—	—	—
Infections of the blood (765-789)	54	22.6	48	5	2	2	29	16.2	24	5	5	—
Other diseases peculiar to early infancy, and immaturity unqualified (780-795)	6	2.5	4	2	2	2	5	2.8	2.4	1	1	—
Syphilis without mention of pregnancy (111-115)	48	20.1	43	5	—	—	31	28.5	45	6	6	—
All other diseases (residual) (116-129)	31	13.0	28	3	—	—	15	14.0	18	46	8	—
All other diseases (residual) (130-149)	193	64.1	121	—	—	—	156	70.4	118	—	—	—
All other diseases (residual) (150-169)	73	25.2	71	7	1	1	42	23.5	31	9	9	—
All other diseases (residual) (170-189)	21	8.8	20	1	1	1	12	6.7	12	6	6	—
Homicide and operations of war (186-195)	—	—	—	—	—	—	—	—	—	—	—	—
Homicide and operations of war (196-199)	15	6.3	9	6	—	—	11	6.1	5	—	—	—

TABLE VI. RESIDENT BIRTHS, DEATHS AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE,* FOR CITY

Estimated population		Asia		Altas		Altaic		Anatolia		Andenes		Archae		Akola		Barbados		Bartim		
	15,925		9,508		6,493		6,174		2,592		17,831		2,650		19,262		19,262			
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.		
Live birth	390	24,15	28	16	15	23,9	144	23,4	62	305	20,5	84	31,7	688	24,3	31,7	688	24,3		
Stillbirth	9	23,1	10	8	15	23,4	5	23,4	—	24,8	20,5	84	16,7	674	24,3	16,7	674	24,3		
Deaths All causes	144	9,10	10,9	10,8	14	9,9	81	13,1	31	22,4	16,4	84	16,7	714	24,3	16,7	714	24,3		
Influenza	11	—	—	—	28,2	9,9	4	25,5	—	16,4	12,2	84	16,7	19	27,8	16,7	19	27,8		
Measles	—	—	—	—	—	9,4	1	12,9	1	6,7	2	32,2	—	3	35,7	—	3	35,7		
Measles deaths	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Diseases from leading causes:																				
Diseases of the heart (10-443)	41	277,3	22	220,4	22	398,7	35	567,8	6	229,8	69	387,0	11	455,1	60	311,5	11	455,1		
Malignant neoplasms (140-205)	13	81,6	17	178,1	10	154,0	7	113,6	3	199,9	38	197,5	3	132,4	17	383,8	13	383,8		
Vascular lesions affecting central nervous system (300-334)	27	188,1	15	52,4	7	107,8	10	162,4	5	159,9	35	166,3	5	113,2	18	387,0	11	387,0		
Contingent malformations and certain diseases of early infancy (750-765)	12	75,3	8	83,8	2	30,8	4	64,9	1	40,0	6	33,6	3	133,2	10	51,9	10	51,9		
Pneumonia (460-493)	2	12,5	1	15,4	1	20,4	1	32,4	1	40,0	6	39,3	3	133,2	10	51,9	10	51,9		
Tuberculosis (101-049)	4	25,1	3	31,4	1	15,4	1	16,2	1	40,0	6	33,6	3	133,2	4	20,8	4	20,8		
Rethritis and nephritis (590-594)	3	18,8	—	—	—	—	—	—	—	—	—	5	28,0	2	75,5	5	28,0	2	75,5	
Bethany	5,620	9,218	5,046	2,702	2,625	15,473	5,520	2,432	—	—	—	—	—	—	—	—	—	—		
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.		
Live births	156	27,4	20	22,2	9	17,4	50	18,5	58	22,1	26,8	126	22,8	54	22,0	—	—	—		
Stillbirths	3	19,2	8	39,0	6	16,5	12	11,5	35	12,9	36	13,7	17,3	11,0	81	14,6	—	—		
Deaths all causes	22	3,9	11	12	62	11,5	35	12,9	36	13,7	17,3	11,0	81	14,6	5	39,7	2	39,7		
Infant deaths	22	6,4	9	43,9	2	21,3	—	—	—	1	17,2	19	51,6	5	39,7	2	39,7	2	39,7	
Neonatal deaths	1	6,4	—	7	34,1	—	10,6	—	—	—	—	—	11	29,9	—	5	39,7	—	5	39,7
Maternal deaths	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Deaths from leading causes ¹	10	175,7	38	412,9	19	351,6	13	479,9	14	495,0	45	485,7	37	669,1	9	367,1	16	367,1		
Malnutrition (900-952)	10	175,7	38	412,9	19	351,6	13	479,9	14	495,0	45	485,7	37	669,1	9	367,1	16	367,1		
Vascular lesions affecting central nervous system (300-334)	1	17,6	16	173,6	10	185,9	5	184,6	3	114,2	23	146,0	6	108,5	4	165,1	16	165,1		
Congenital malformations and certain anomalies (600-699)	1	17,6	2	75,9	1	18,5	—	—	—	38,1	18	82,3	5	108,5	5	205,9	6	205,9		
Diarrhoea, acute enteritis (790-776)	1	17,6	2	75,9	1	18,5	—	—	—	38,1	18	82,3	5	108,5	5	205,9	6	205,9		
Trichomoniasis (100-104)	—	—	—	75,0	—	—	—	—	—	6,3	2	81,6	2	90,4	2	81,6	2	90,4		
Hepatitis and nephritis (590-594)	—	—	5	54,2	4	92,5	—	—	—	—	2	12,7	1	18,1	1	10,8	1	10,8		

in the 1950 census except that the town had a population of 2,350 or over in the 1950 census. The town of Nichols Hills and Weller were not incorporated separately before the 1950 census was made.

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TABLE VI. RESIDENT BIRTHS, DEATHS AND DEATHS FROM LEADING CAUSES, NUMBER AND RATE,¹ FOR CITIES HAVING A POPULATION OF 2,500 OR MORE, "OKLAHOMA, 1949

(Continued)

Estimated population	Estimated population										
	El Reno	Brid	Fredon	Guthrie	Harrington	Huntington	Idabel	Hobart	Hollister	Holmesville	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	
Live births	243	22.1	948	26.4	115	21.1	218	52	22.3	181	22.6
Stillbirths all causes	6	24.7	16	16.9	3	21.2	9.2	38.5	10	52.0	15.4
Infant deaths	16	12.4	322	9.0	65	12.1	15.3	22	9.5	69	12.9
Neonatal deaths	15	11.7	35	26.4	4	24.8	6	27.5	4	30.1	21.1
Maternal deaths	12	49.4	22	23.2	3	26.1	4	18.3	—	15.0	7.7
Deaths from leading causes ¹	41	373.7	108	300.2	26	477.2	59	588.9	5	214.9	27
Malignant neoplasms (140-205)	21	191.4	18	134.1	6	110.1	22	229.5	5	214.9	39
Vascular lesions affecting central nervous system (330-349)	18	164.1	47	150.6	8	165.8	2	159.7	2	85.9	9
Accidents (800-899)	9	162.0	20	55.6	—	—	—	—	—	99.9	12
Congenital malformations and certain diseases of early infancy (750-776)	12	109.4	25	69.5	4	73.4	2	26.9	2	137.2	2
Pneumonia (490-519)	1	29.1	3	36.7	4	26.2	2	85.7	5	65.4	3
Phlebitis (401-499)	1	9.1	11	106.6	1	18.4	2	20.0	—	1	12.5
Nephritis and nephrosis (590-594)	—	—	1	49.9	—	—	1	12.5	3	55.9	1
Neuritis and nephrosis (590-594)	—	—	1	11.1	—	—	1	12.5	3	14.2	1

Estimated population	Estimated population										
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
Live births	75	24.3	71	26.3	147	24.7	95	20.6	64	19.1	861
Stillbirths all causes	31	20.7	42	28.2	7	47.7	2	31.2	16	18.6	12.8
Infant deaths	5	66.7	4	56.3	1	6.8	5	26.2	4	10.1	19.8
Neonatal deaths	5	66.7	4	56.3	1	6.8	5	26.2	4	10.1	19.8
Maternal deaths	—	—	—	—	1	10.5	2	21.2	1	12.4	4
Deaths from leading causes ¹	9	291.8	16	148.0	29	487.4	17	367.9	14	417.9	63
Malignant neoplasms (140-205)	6	194.3	2	74.0	8	134.3	10	216.4	4	119.4	20
Vascular lesions affecting central nervous system (330-349)	2	64.4	5	189.0	6	100.8	—	—	—	—	7
Accidents (800-899)	5	161.9	2	74.0	1	16.8	4	86.6	3	89.6	5
Congenital malformations and certain diseases of early infancy (750-776)	5	161.9	2	74.0	1	16.8	2	86.6	3	89.6	5
Pneumonia (490-519)	—	—	2	74.0	1	16.8	2	86.6	3	89.6	5
Phlebitis (401-499)	—	—	3	50.4	—	—	3	8.7	3	16.8	3
Nephritis and nephrosis (590-594)	—	—	3	50.4	—	—	3	8.7	3	16.8	3
Neuritis and nephrosis (590-594)	—	—	3	50.4	—	—	3	8.7	3	16.8	3

Estimated population	Estimated population										
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
Live births	72	20.4	203	20.1	319	21.5	62	18.5	228	19.2	531
Stillbirths all causes	32	9.1	67	9.6	32	10.1	40	16.1	32	13.2	58
Infant deaths	2	27.8	3	14.8	19	40.8	11	11.9	68	17.7	118
Neonatal deaths	1	13.9	3	14.8	8	25.1	3	48.4	9	49.5	13
Maternal deaths	—	—	—	—	—	—	—	—	—	—	14.5
Deaths from leading causes ¹	13	368.6	19	272.1	42	322.6	12	357.5	18	51.9	78
Malignant neoplasms (140-205)	7	198.5	11	157.5	8	138.9	9	268.6	8	67.3	23
Vascular lesions affecting central nervous system (330-349)	2	56.7	6	85.9	20	159.6	5	140.0	6	50.6	37
Accidents (800-899)	2	56.7	6	85.9	18	100.3	18	138.3	10	59.6	37
Congenital malformations and certain diseases of early infancy (750-776)	2	56.7	3	43.0	10	76.5	3	89.4	8	67.5	13
Phlebitis (401-499)	—	—	2	28.6	4	30.7	—	—	1	8.4	5
Nephritis and nephrosis (590-594)	—	—	2	28.6	4	30.7	—	—	1	8.4	5
Neuritis and nephrosis (590-594)	—	—	2	28.6	4	30.7	—	—	1	8.4	5

Estimated population	Estimated population										
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
Live births	117	24.7	78	21.5	132	24.0	120	27.3	94	20.1	92
Stillbirths all causes	37	7.8	50	13.8	98	12.5	47	10.7	38	11.3	28.7
Infant deaths	3	8.5	1	12.8	8	60.6	12	16.7	40	11.4	5.9
Neonatal deaths	1	8.5	1	12.8	7	53.0	1	8.3	21.3	32.6	5.9
Maternal deaths	—	—	—	—	7	7.6	—	—	—	—	3.7
Deaths from leading causes ¹	7	118.0	19	124.0	36	124.4	15	240.9	10	209.3	12
Malignant neoplasms (140-205)	13	177.6	18	165.6	11	126.9	10	354.7	4	113.8	10
Vascular lesions affecting central nervous system (330-349)	—	—	2	105.7	9	181.8	9	202.5	5	14.0	16.0
Accidents (800-899)	—	—	2	42.3	2	25.2	4	72.7	2	45.5	3
Congenital malformations and certain diseases of early infancy (750-776)	1	21.1	—	—	7	127.2	1	22.7	2	61.9	4
Pneumonia (490-519)	20	469.8	18	291.3	130	248.9	27	100.1	24	60.2	22
Phlebitis (401-499)	20	117.5	18	138.5	13	165.2	11	63.7	43	42.0	22
Nephritis and nephrosis (590-594)	2	23.5	2	18.5	12	102.5	59	184.4	16	59.3	12
Neuritis and nephrosis (590-594)	2	23.5	2	18.5	12	102.5	59	184.4	16	59.3	12

